

Recycling Works

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A cooperative effort of the N.C. Department of Environment and Natural Resources and the Economic Development Partnership of North Carolina.

Recovery Food Summit Planned for November 2015

by Scott Mouw, NC Recycling Program Director

Interest in food waste recovery is increasing, offering business growth opportunities for North Carolina recycling and organics management companies.

To help accelerate food recovery activity, the N.C. Department of Environment and Natural Resources is working with the Southeast Recycling Development Council (SERDC), the Environmental Protection Agency, and

the S.C. Department of Health and Environmental Control to hold the Food Recovery Summit, scheduled for Nov. 16 - 18, 2015 in Charleston, S.C. The Summit will focus on all aspects of food waste diversion including collection, composting, anaerobic digestion and the business of food recovery.

Space will be limited for this event and early registration is strongly recommended.

Unifi **Expands** its REPREVE Recycling Facility in Yadkinville

by Matt Ewadinger, RBAC Manager

Unifi, Inc., headquartered For more information about the in Greensboro, recently broke ground on an 85,000 -square-foot expansion of its REPREVE Recycling Center in Yadkinville. The expansion will increase Unifi's capacity to process To read about the grand opening recycled plastic REPREVE fiber and other value-added products by up to 60 million pounds.

The \$10 million investment will add an estimated 28-30 new jobs in the Yadkin County area in the future.

expansion, read Unifi's press release at http://www.unifi.com/ press/pdf/RRC%202015% 20Groundbreaking%20Release% 20FINAL.pdf.

of the original REPREVE recycling facility, check out the cover story article in the Summer 2011 issue of Recycling Works at http://portal.ncdenr.org/c/ document_library/get_file? uuid=43fa5cf8-2840-49db-8bfaf255f8cc7b78&groupId=38322.



Charleston, SC • November 16-18, 2015

Inside Recycling Works

Wallace Farm Ramps Up	2
2015 Recycling Business Connections Event	
Roll-Tech Celebrates 25 Years.	
NC Pallet Recycling Expands	4
NC Recycling Equipment Manufacturers	
Sonoco Hub and Spoke Project.	
Market Pricing.	

Recycling Works Summer 2015

Composting Ramps Up: Wallace Farm Opens Second Operation in Triad Area

by Jorge Montezuma, Organics Specialist

Wallace Farm, Inc. is a successful North Carolina composting business with two large scale operations in the state using open-faced windrows as their preferred method of composting.

The first site in Huntersville is a Large Type III composting facility processing yard waste, food waste and other organic materials. It expanded the soil and compost operation in 1990 when the rate of housing development was slow. Later, housing developments began surrounding the facility, which led to concerns from some new residents to the existence of the composting operation.

Through a series of public processes in 2005 and by finding a way to work with representatives from nearby subdivisions, Wallace Farm was able to sustain its business and is now seeking another 5-year permit renewal at its Huntersville facility. As part of its cooperation with its neighbors, Wallace Farm voluntarily reduced its organic material throughput and reduced its operational footprint to increase distance from residences.

Last year, Wallace Farm purchased property southwest of Winston-Salem in Davie County, and will open a second Large Type 3 composting facility in August. This facility will process materials coming from Davie County, Winston-Salem and other surrounding areas. The N.C. DENR Solid Waste Section is still reviewing the application for this site, which is designed to process 200,000 tons of organic waste per year with abundant buffers and ample space for set-backs on 160 acres.



At Wallace Farm, Inc., different types of bagged products (pictured above) are displayed and sold to the public on site as well as distributed throughout the state.

Wallace Farm sells 85 percent of its compost as bagged product through a partnership with other large companies but also plans to grow the bulk markets at both facilities. Interest in high quality compost and food waste processing services is increasing in the state, and Wallace Farm is just one example of a successful growing operation expanding to meet this demand.

For more information about Wallace Farm, contact Eric Wallace at 704-875-2975, eric@wallacefarmproducts.com, or visit www.wallacefarmproducts.com.



Recycling Business Connections Event Returns to Charlotte Oct. 14, 2015

by Wendy Worley, Recycling Business Development Specialist

Last year's highly successful networking event for the recycling industry returns to the Carolinas this fall.

All North and South Carolina recycling business owners and

invited to attend

operators

RECYCLING BUSINESS CONNECTIONS MEET. CONNECT. GROW

Register Now! October 14th 2015 4:30 p.m. - 7:30 p.m. The Big Chill Charlotte, NC

The Carolina Recycling Association, N.C. Recy-

cling Business Assistance Center, and S.C. De-

partment of Commerce are work-

ing together to

organize the event

and encourage all

nesses in the Car-

olinas to attend.

recycling

busi-

the 2nd annual Recycling Business Connections event on Oct. 14 in Charlotte.

This event will provide a unique networking opportunity to forge new partnerships and grow recycling businesses in the Carolinas.

Space is limited for this event and early registration is strongly recommended.

Gather your business cards, mark your calendars and register online today at: http://www.cra-recycle.org/rbc2015/!

Roll-Tech Celebrates 20 Years of Tire and Plastic Recycling

by Matt Ewadinger, RBAC Manager

Roll-Tech Molding Products, LLC was founded in 1995 as a U.S. subsidiary of French company, Guitel S.A. The company employs 40 people in its recently expanded 40,000-square-foot facility in Hickory. Roll-Tech manufacturers wheels for garbage and recycling carts, hand-trucks, high-pressure cleaners, material handling equipment and other heavy-duty applications. "Roll-Tech is proud to be a part of North Carolina's recycling economy and we expect to continue to be a key player for many years to come," said Patrice Bertrand, president and chief executive officer for Roll-Tech.



Roll-Tech's 40,000-square-foot facility in Hickory.

For more information contact Patrice at 866-431-4515, or <u>pbertrand@rolltech.net</u>.

NC Pallet Recycling Outgrows Former Location and Moves to a New Facility

by Sherry Yarkosky, Recycling Business Development Specialist

In May 2015, NC Pallet Recycling moved from its former 1,500-square-foot location in Raleigh to a larger 7,500-square-foot building in Morrisville. The new location has many new features over the former facility that have greatly improved operating efficiencies. "At the former location, it took two workers more than an hour to unload a full truckload of pallets," said Mike Murray, NC Pallet Recycling Owner. "At the new building, it takes one employee only 30 minutes."



NC Pallet Recycling received a 2014-15 RBAC grant award for the purchase of a used box truck. Mike Murray, Owner, is shown in the above picture.

After working in the waste hauling business for many years and with the implementation of the 2009 NC wooden pallet landfill ban, Murray decided to start NC Pallet Recycling in 2012 after doing extensive market research and business planning. The company provides niche recycling services to small to medium quantity wood pallet generators.

NC Pallet Recycling expects to recycle more than 900 tons of wood pallets this year. Wood pallets are repaired or refurbished and resold as remanufactured pallets. Pallets beyond repair are recycled into mulch or boiler fuel. After starting out as the only employee, Murray hired two additional employees over the past three years.

Murray attributes his company's fast growth to time management, excellent customer service, careful analysis of the business financials and partnering with other recyclers. "As a small business owner, you need to wear many hats and be efficient with limited time," states Murray. "We are proud of the partnerships we have made in the recycling industry. We are growing year after year and hope to match that growth by hiring a few more employees in the near future."

For more information, contact Mike Murray at (919) 625-0807 or visit http://www.ncpalletrecycling.com/services.html.



North Carolina Recycling Equipment Manufacturers Have National Impact

by Mike Greene, Recycling Business Development Specialist

Part of the rich history of recycling in North Carolina includes the equipment that makes storage, collection and processing possible. Much of that equipment comes from North Carolina companies. Below are just of a few of the companies that keep our state's recyclables moving.

Balers, Conveyers, Screens and Shredders

There are several well-known suppliers of recycling processing equipment based in North Carolina that service the region and the nation. Vecoplan Companies such as (http:// www.vecoplanllc.com/), Recycling Equipment, Inc. (REI http://www.gogreenrei.com/) and Baler Equipment Catawba & (http:// cbebaler.com/) offer a wide variety of new equipment and service. Some of these companies also offer installation and used equipment.

One of the most exciting new products is from Catawba Baler & Equipment (CB&E), based in Greensboro with manufacturing facilities in Statesville. According to Jason Carter of CB&E, "our Free Jam Two-Ram baler is the only baler in the world with automatic, push-button jam release technology. The Free Jam Two-Ram's patent-pending technology virtually eliminates the need for a person to enter into the baler to manually clear a jam — the most dangerous function in the recycling industry."

Carts, Dumpsters, Roll-offs

Charlotte is home to the nation's leaders in recycling carts with Otto (http://www.otto-usa.com/index.html), Schaefer Systems International (http://www.ssi-schaefer.us/) and Toter (http://www.toter.com/) all headquartered in the Queen City. Toter's parent company, Wastequip (https://www.wastequip.com/) offers a wide range of products including balers, steel containers, self-dumping hoppers, com-

pactors, hoists, tarps and specialized organic waste collection equipment.

Bakers Waste Equipment in Lenoir (http://www.bwe-nc.com/) manufactures numerous kinds of containers for front loader and roll-off trucks. Bakers also makes compacting dumpsters, sludge and grease containers and special organic waste containers.

Trucks, Heavy Equipment

Manufacturers of trucks and heavy equipment also have a presence in the Tar Heel State. One of the giants of the trucking world, Mack Truck (http://www.macktrucks.com/) moved its headquarters to Greensboro in 2009 and has assembly plants in Maryland and Pennsylvania. Caterpillar (http://www.cat.com/), another major equipment-maker, manufactures skid steer, compact track and multi-terrain loaders in Sanford and small wheel loaders in Clayton.

In all, these companies represent another dimension of the recycling industry in North Carolina, employing people to make the machines that make recycling succeed.

Attention All Electronics Recyclers

Any company involved in the collection, receipt, accumulation or processing of computer equipment and televisions in North Carolina must now register with NC DENR annually under General Statute 130A-309.142. The registration process is intended to ensure that electronics are handled properly to prevent harm to the environment and public health, and to also make sure electronics recyclers are aware of applicable laws, regulations and certifications related to electronics recycling. North Carolina recycling companies handling electronics should immediately register at http://portal.ncdenr.org/web/wm/ewasterecycler.

Hub and Spoke Project a Success for Sonoco Recycling

by Matt Ewadinger, RBAC Manager

In 2012, Sonoco Recycling began accepting single-stream recyclable material at its satellite locations in Gastonia and Salisbury. Earlier this year, Sonoco installed compactor systems at both locations to increase transportation efficiencies in its "hub and spoke" system.

Loads of non-compacted recyclable material weighing approximately five to six tons were previously shipped to Charlotte via walking-floor trailers. Compacted recyclables are now shipped to Charlotte in loads weighing up to 17 tons

"We estimate that the switch to compactors will allow Sonoco Recycling to increase the tonnage throughput at each satellite facility by at least 20 tons per month," said Kenny King, Sonoco Recycling Regional Manager.



A compactor and feeder at the Sonoco Salisbury satellite location.

For more information on Sonoco's hub and spoke system, contact Kenny King at 704-525-8728 or Key.king@sonoco.com.



Does Your Waste Have a Home? Find one at...

WasteTradeR

<u>www.ncwastetrader.org</u>
N.C'.s Industrial Waste Exchange

North Carolina's marketplace for discarded or surplus materials and products.

This free, waste exchange service is designed to divert recoverable materials from disposal while providing feedstocks and supplies to potential users.

> For more information, call Tom Rhodes, 919-707-8140

RBAC Contacts:

Recycling Markets Directory

Sherry Yarkosky 919-707-8133

sherry.yarkosky@ncdenr.gov

Recycling Business Development Grants

Wendy Worley 919-707-8136

wendy.worley@ncdenr.gov

Independent Collectors Network

Mike Greene 919-707-8137

<u>mike.greene@ncdenr.gov</u>

Recycling Works is published by the N.C. Recycling Business Assistance Center, a program of the Division of Environmental Assistance and Customer Service of the N.C. Department of Environment and Natural Resources. For more information, call 877-623-6748, or write to DEACS, 1639 Mail Service Center, Raleigh, NC 27699-1639.

Patrick McCrory, Governor, North Carolina Donald van der Vaart, Secretary, Department of Environment and Natural Resources

Division of Environmental Assistance and Customer Service

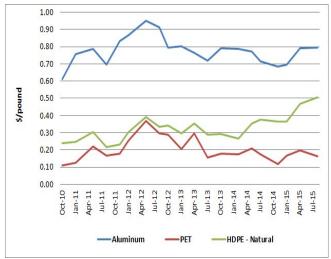
Ted Bush, Director, NCDEACS

Scott Mouw, Chief, Community & Business Assistance Section Matt Ewadinger, RBAC Manager

Wendy Worley, RBAC Market Development Specialist Sherry Yarkosky, RBAC Market Development Specialist Mike Greene, RBAC Market Development Specialist Stacy Smith, RBAC Industrial Development Specialist

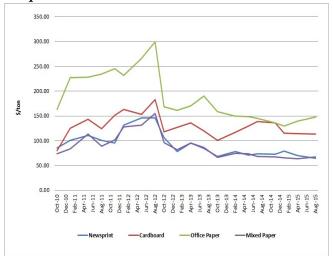


Container Price Trends



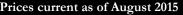
Quarterly prices for aluminum cans (loose), PET (baled) and HDPE natural (baled) in dollars per pound.

Paper Price Trends



Quarterly prices for newsprint, cardboard, office paper and mixed paper in dollars per ton, baled.

North Carolina Market Prices for Recyclables



Prices current as of August 2015					
Item		Western Region	Central Region	Eastern Region	
METALS					
Aluminum Cans	lb. loose	\$0.56	\$0.53	\$0.46	
Steel Can, gross t	on baled	\$80.00	\$50.00	\$60.00	
PLASTICS					
PETE, lb. baled		\$0.14	\$0.10	\$0.15	
HDPE, lb. baled	Natural Colored	\$0.37 \$0.21	\$0.31 \$0.16	*	
PAPER					
Newsprint, ton b	aled	\$65.00	\$60.00	\$ 100.00	
Corrugated, ton b	paled	\$110.00	\$110.00	\$128.00	
Office, ton baled		\$160.00	\$140 .00	*	
Magazines, ton ba	aled	\$ 60.00	\$100.00	*	
Mixed, ton baled		\$60.00	\$74.00	*	
GLASS					
Brown, ton crush	ed delivered	\$18	\$20	\$25	
Clear, ton crushed delivered		\$25	\$30	\$0	
Green, ton crushed delivered		\$3	\$12	\$0	
Mixed, ton crushed delivered		\$0	\$-20	\$0	

*Markets with Mixed Paper

Note: Prices listed above are compiled by RBAC and are for reference only. These prices are not firm quotes. RBAC obtained pricing information from processors for each category and developed a pricing range.

Visit RBAC online at http://portal.ncdenr.org/web/deao/rbac



N.C. ASSISTANCE AND CUSTOMER SERVICE

The Recycling Business Assistance Center (RBAC) is a program of the N.C. Division of Environmental Assistance and Customer Service (DEACS).

Call 877-623-6748 for free technical assistance and information about preventing, reducing and recycling waste.

