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NewsVoice of Salvage, Waste and Recycling

AmericanRecycler.com

FOCUS: Metals

Ever-smaller fines sought by shredder operators



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New e-cycling model makes cybersecurity a top priority

by MIKE BRESLIN

mbreslin@americanrecycler.com

Every day it seems there are new reports of break-ins and theft of data from the most sophisticated and highly guarded computer systems. No government, business or individual is immune from these devious cyberthieves. What these criminals do with stolen information can compromise national security, intellectual property and lead to all manner of financial fraud.

Preserving the privacy and integrity of data of any kind is an unrelenting, minute-to-minute battle with hackers. Unfortunately, the energy and attention of cyber criminals isn't limited to software. Electronic devices, such as computers and mobile devices store data on their hard drives, making them all potential targets for cybercrooks.

As a result, American consumers, businesses and governments are fast coming to realize that responsible recycling of these data rich devices by a certified e-cycler is one sure way to protect sensitive information.

Before responsible e-cycling processes were introduced, electronic waste primarily went to landfills, where toxic components contaminated land, drinking water and air. Early recycling efforts included diverting electronic devices from landfills by harvesting commodities such as copper, lead, gold, silver, zinc and other metals with little regard for data destruction. Rather than responsibly recycle and destroy data, some disreputable American scrap consolidators exported bulk shipments of discarded electronics to less developed parts of the world. Often in these countries, e-waste was improperly dismantled manually, or openly burned, producing toxic emissions harmful to workers and communities. In November 2008, CBS' 60 Minutes exposed these deadly practices taking



Electronic Recyclers International's shredders are able to shred 30,000 lbs. of e-waste per hour.

PHOTO COURTESY OF ELECTRONICS RECYCLING INTERNATIONAL

place in China and began to wake up Americans to responsible e-cycling.

To date, there has been no federal legislation addressing the growing e-waste issue on a national level. The U.S. EPA, however, has been disseminating information to the public on how to protect personal and business data when recycling. Twenty-five states have passed some form of law dealing with the issue, and several more states are in the process. But, until the problem of e-cycling data is comprehensively dealt with by all the states, or on a national level, legitimate e-waste recyclers are responding to the problem by following self-imposed, independent certification systems that hold e-cyclers accountable for environmental and data safety.

Jason Linnell, executive director of the National Center for Electronics Recycling offered his views on cybersecurity. "More and more people are looking to ensure their data is destroyed when they are getting rid of their old devices," said Linnell. "In the business world that's been the case for a while now, especially for those that need to protect confidential data like banks, credit card companies, retailers, hospitals or any kind of healthcare organization. Cybersecurity is an absolute must-have when getting rid of their old devices and they go

to some extreme lengths to make sure their data is destroyed."

Linnell mentioned companies using vendors that offer on-site data destruction where a shredder and wiping devices are brought on-site and clients witness the destruction of devices, or having video cameras at a recycling facility to record the destruction of hard drives, confirmed by serial number with an employee witnessing the destruction. For many, it's not enough to give it to a recycler and ask for a certificate of destruction. "Today, they want to witness it and make sure that information can no longer get out," said Linnell.

Linnell emphasized that business and government should have good asset tracking of inventory while devices are in use. Good asset tracking works when a device is ready to be recycled so it can be checked against inventory to make sure nothing has leaked.

"Individuals should be aware of the issue and know that deleting all the files on a computer does not necessarily remove data," said Linnell. "They need to use professional wiping software to make sure data is not recoverable. Or, send it to a certified e-recycler that guarantees data wiping or destruction such as R2 or e-Stewards, or a company certified by the National

Association of Information Destruction."

John Shegerian, chairman and chief executive officer of Electronic Recyclers International (ERI), outlined his company's model of e-cycling and cybersecurity. ERI is the world's largest privately-held recycler of e-waste and certified to de-manufacture and recycle every type of electronic waste in an environmentally responsible manner. ERI currently processes nearly 350 million pounds of electronic waste annually at 8 U.S. locations.

"Cybersecurity is the hottest topic in electronic recycling today," volunteered Shegerian. "In the old model, businesses and consumers were used to selling their electronic devices, thinking they were valuable. That paradigm is changing more every day. Now people are getting used to paying for responsible recycling by using a certified recycler. Most e-cyclers are online and can be checked to see if they are certified.

"Another issue is auditing. When you have data rich information, you should know for certain where your devices are going. Businesses and government entities should go to the recycling facility and make sure they have shredding capabilities.

See E-CYCLING, Page 4

For the Metals Industry, Distinct Advantages to Single-Source Theft and Title Verification, Federal Compliance

TIME IS MONEY

Time is money when it comes to the scrap metal business – where volume and speed directly impact the bottom line. Having a single source of information to evaluate and verify vehicles, and to comply with federal reporting guidelines can be the edge a business needs to stay efficient, profitable and protected. Auto Data Direct, Inc. (ADD) is the best resource in the business, with an all-in-one compliance tool for recyclers that provides a title check, national theft search and salvage vehicle reporting to comply with federal regulations.

VERIFICATION TOOL IN REAL TIME

To help recyclers make point-of-purchase decisions, ADD offers an instant title and theft check that will help buyers and scale operators verify that a vehicle hasn't been reported as stolen, and that the title presented is the current document for a vehicle. The theft check tool can be especially useful for older vehicles that may be exempt from title and purchase requirements due to age or value. Recyclers nationwide are using this verification tool in real time, as vehicles come across their scales, to verify theft status and give business owners and comptrollers peace of mind, knowing that their locations aren't buying stolen vehicles.

NATIONAL REPORTING REQUIREMENTS

Using only a VIN, ADD's report can also help recyclers verify that suppliers are compliant with the national reporting requirements. Under the federal National Motor Vehicle Title Information System (NMVTIS) regulations, businesses that buy and sell salvage and total loss vehicles must report the vehicles to the Department of Justice system. ADD's title and theft check reports includes the federal database's record of the businesses that have made previous reports, allowing a buyer to verify that a vendor has reported a vehicle to NMVTIS in compliance with the federal guidelines.

Best of all, the title and theft check report includes the free upload of the vehicle information to the NMVTIS database, if necessary. The same federal guidelines that require reporting by insurers, auctions and parts recyclers also require crushers, shredders and secondary metals recyclers to report the vehicles they purchase to NMVTIS, unless they can show that the vehicle has been previously reported with an end-of-life disposition such as "crush" or "scrap."

BUSINESS TOOL

As a business tool, ADD's title and theft check is a cost-effective option compared to other, more expensive vehicle history reports that may contain lots of information not be relevant to a recycler. Starting at only \$1.50, Full Service customers can determine the last state of title, the date of title issuance, if the vehicle has an ac-

tive theft report, and whether the vehicle has been properly reported to NMVTIS. Finally, if necessary, a recycling business can submit their own NMVTIS report at no cost, within 90 days of pulling the title and theft check.

As a secondary check, ADD can also provide the real-time state motor vehicle record (containing owner names and lienholder information) in more than 30 states. For states where title pawns,

buy-here-pay-here dealers and other title-lending practices are allowed, ADD offers direct, real-time access to state data, allowing qualified businesses to retrieve the official, current state information on a vehicle. State searches can be especially useful for checking for duplicate titles, and lien information, avoiding the headache of unknowingly disposing of a lender's collateral without satisfying an lien not disclosed by a seller.

EFFICIENCY IS IMPORTANT

Efficiency is important, and ADD's all-in-one title and theft check with free NMVTIS reporting not only helps recyclers make a smart purchase decision, but helps make federal compliance quick and easy. Recyclers can learn more at www.add123.com, or call 866-923-3123 to see what ADD can do to help save businesses time and money.

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Exide Technologies to close recycling facility in California

Exide Technologies disclosed that the company will move to permanently close its lead acid battery recycling facility in Vernon, California under the terms of a non-prosecution agreement reached with the U.S. Attorney's Office for the Central District of California (USAO) that resolves the USAO's criminal investigation into Exide.

In conjunction with the closure of the Vernon facility, Exide also has entered into an amendment to the 2014 stipulation and order with the California Department of Toxic Substances Control that provides a framework for the orderly closure and cleanup of the Vernon facility. Exide reached this amendment after, among other developments, hearing from the department that it would likely deny Exide's Part B hazardous waste facility permit application.

Exide is requesting that the Bankruptcy Court approve the agreements as well as authorize the company to close the Vernon facility and the company also

will seek confirmation of its Chapter 11 Plan of Reorganization.

"The agreements with the USAO and the department should allow us to resolve key conditions to funding of the backstop commitment agreement, and to continue to pursue plan confirmation," said Robert M. Caruso, president and chief executive officer of Exide Technologies. "We recognize the impacts that closing the Vernon facility will have on our approximately 130 employees and their families. On behalf of the Company, I thank them and the United Steel Workers Union for their commitment and dedication."

By obtaining plan confirmation and emerging from Chapter 11, Exide expects to be able to meet its closure and cleanup obligations under these agreements, continue to honor its environmental obligations at its other facilities, and preserve nearly 10,000 jobs globally.

Recleim opens recycling center

Recleim LLC, a recycling services provider, celebrated the grand opening of its recycling center in Graniteville, South Carolina. Recleim expects to hire approximately 200 people by the end of the year.

The facility is the first in North America to feature an entirely closed-loop resource recovery process. Using exclusively licensed recycling technologies, Recleim de-manufacturers household appliances, HVAC systems, vending machines and related electronics into commodities – such as plastic, aluminum, cop-

per, steel and pelletized foam – that are sold for reuse. Recleim reduces landfill waste by recovering 95 percent of components in the appliances it processes and properly disposing of non-recyclable materials.

Recleim has already announced several key agreements with companies to process their equipment including BSH Home Appliances Corporation, Pepsi Bottling Ventures and the South Carolina Association of Heating and Air Conditioning Contractors.

Coalition urges overturn of decision to build hazardous waste recycling plant

A broad coalition of community members, advocates and labor groups have petitioned Governor Brown excoriating the Department of Toxic Substances Control (DTSC) for permitting a company to build a used motor oil recycling plant a stone's throw from a highly frequented lake and recreation area in Irwindale, California, Consumer Watchdog said.

"Environmentalists and members of this largely working class Latino community have drawn a line in the sand," said consumer advocate Liza Tucker. "Siting a facility right next to the Santa Fe Dam Recreation Area used for boating, swimming and hiking that affords a rest from the pressures of urban life to thousands of middle class people is an outrage and highest form of disrespect for the public that the DTSC is tasked to protect from toxic harm."

The petition continued, "It is impossible to tell how many gallons of waste will flow into the dam as a result of this permit decision. But we know it will flow. And the plant will foul the air based on other cases of pollution around the state from lead battery recycler Exide Technologies in East Los Angeles to chemical waste recycler PhibroTech in Santa Fe Springs, and Evergreen Oil, another used motor oil recycler in the East Bay."

Advocates and attorneys have been fighting the permit for CleanTech Environmental for more than two years, initially pressuring the DTSC to review its draft permit decision because it skipped an environmental impact review required by the California Environmental Quality Act.

Nulife Glass opens glass recycling unit

Nulife Glass will invest \$5.9 million to establish its first Virginia operation in the City of Bristol. A Manchester, England-based company, Nulife provides recycling services for all types of cathode ray tube (CRT) glass. Virginia successfully competed against Ohio and Pennsylvania for the project.

Nulife collects and separates cathode ray tube (CRT) televisions and computer monitors into saleable lead and glass.

Nulife has been cited for its unique pyro chemical technology, which makes it the only company globally that can safely recover both lead and glass for resale.

The Virginia Economic Development Partnership worked with the City of Bristol, the Commonwealth Center for Advanced Manufacturing and Virginia's aCorridor to secure the project for Virginia. Governor McAuliffe approved a \$110,000 grant to assist Bristol with the project. The Virginia Tobacco Indemnification and Community Revitalization Commission approved \$190,000 in Tobacco Region Opportunity Funds for the project. Funding and services to support the company's employee training activities will be provided through the Virginia Jobs Investment Program.

IS YOUR MONEY IN THE BALANCE SHEET AND NOT YOUR BANK?

Balance Sheet	
ASSETS	2015
Cash and Equivalents	\$52,000
Accounts Receivable	\$402,000
Inventory	\$836,000
Total Current Assets	\$1,290,000
Plant & Equipment	\$527,000
Accumulated Depreciation	\$166,200
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Toledo biosolids recycling plan detailed

Synagro Technologies disclosed details of a 5 year biosolids recycling program that will save the City of Toledo, Ohio taxpayers \$900,000 annually. The program will also improve water quality in the Lake Erie watershed by reducing the use of commercial chemical fertilizer. Highlights and benefits of the biosolids recycling plan include the following:

- Toledo's biosolids will be used as a natural fertilizer on farm land, eliminating the need for more than 400 tons of chemical fertilizer, which has greater potential of runoff to rivers, lakes, and streams.

- The use of biosolids as fertilizer will reduce the potential for phosphorous runoff to waterways by 98 percent.

- The use of biosolids as fertilizer will benefit local farmers by avoidance of costs of commercial chemical fertilizer at an average rate of \$100 per acre of farmland.

- An improvement of water quality through an ongoing, proactive nutrient management program on farm sites.

- Full compliance with Ohio's rigorous regulations regarding biosolids application and nutrient management.

- A savings for taxpayers of more than \$900,000 per year versus landfill disposal of the biosolids.

As part of the biosolids recycling program, Synagro will have on staff a qualified agronomist/certified crop advisor to work with the farming community engaging with farmers by soil sampling, sharing best practices on nutrient management and providing an organic alternative to commercial fertilizers.

Synagro's technical staff will also permit the land application sites, work with the operations teams to ensure placement of the biosolids using sustainable practices, and conduct public outreach meetings with the local farming communities and the general public.

E-cycling

■ Continued from Page 1

If they don't, you cannot be sure of destruction. We get audited at all our facilities on a weekly basis by either ongoing clients or potential clients. We welcome it. More transparency is why leading electronic brands and retailers are succeeding. Promoting radical transparency in the e-cycling industry and using it as a marketing tool is also helping to separate one company from another."

Shegerian pointed out the dangers of recycling old cell phones via some online services that buy them and claim to recycle or refurbish them. Typically, these models are not certified. But now people are beginning to understand that if they blindly send their mobile devices or computers to an organization without researching them first, their data may be at risk.

As an example of the new model, Shegerian cited the Staples' drop-off program, which enables people to discard used electronics in its stores. ERI has handled e-cycling for Staples for six years. Staples realized it could expand this program to corporations since it is a supplier of office supplies and an advisor to 65 percent of the Fortune 500 companies. Since the company operates one of the most robust e-commerce sites in the world, it decided to offer ERI's Box Program on its website under the Staples Advantage Program. ERI provides boxes in 5 sizes, from a 41" x 33" x 32" pallet down to a 9" x 5" x 3" box for a cell phone. Staples promoted this program to its business clients, and found clients were most willing to purchase boxes online through the Staples website.

The boxes are drop shipped from one of ERI's eight locations. Staples' business clients pre-pay for the boxes, shipping and recycling. When they receive a box, they fill it up at their own convenience and ship to an ERI facility. A standard 9" x 5" x 3"

box, including shipping and recycling cost \$14.19 while standard pallet-sized box, 41" x 33" x 32" cost \$397.65.

"They are happy to pay for responsible recycling," Shegerian added. "They are not asking who's going to pay me for recovered metals. While these things have some value, they've come to realize that responsible recycling costs money. So the paradigm is shifting."

Shegerian said that a responsible chief executive officer these days can't allow e-waste to be handled by an irresponsible recycler, or be exported to a foreign country. Responsible recycling of all electronic assets is now becoming mandatory because of the media frenzy surrounding data breaches and unsafe recycling overseas.

"Times are changing. Our model, across the board, is that if you want us to recycle it we are happy to do it, but we have to get paid as a service. In the old days, you got paid for people's scrap and you hoped the commodity prices stayed high. Today, the commodity prices trade all over the place and for the last six or seven years have been at all-time lows. That's why we have a for-pay model," Shegerian concluded.

Events Calendar

April 7th-8th

NERC Spring Workshop. Chase Center, Wilmington, Delaware.
802-254-3636 • www.nerc.org

April 20th-22nd

Aluminum Association Spring Meeting. The Ritz-Carlton Laguna Niguel, Dana Point, California.
703-358-2960 • www.aluminum.org

April 21st-25th

ISRI. Vancouver Convention Center, Vancouver, BC, Canada.
202-662-8544 • www.isri.org

May 3rd-6th

The Federation of New York Solid Waste & Recycling Conference with Trade Show. The Sagamore, Lake George, New York.
518-541-2548 • www.nyfederation.org

May 4th-7th

AISTech 2015. The Iron & Steel Technology Conference and Exposition, Cleveland Convention Center, Cleveland, Ohio.
724-814-3068 • www.aist.org

May 13th-14th

13th Annual CARE Conference. Hilton New Orleans Riverside, New Orleans, Louisiana.
706-428-2127 • www.carpetrecovery.org

June 2nd-4th

WasteExpo. Las Vegas Convention Center, Las Vegas, Nevada.
800-927-5007 • www.wasteexpo.com

American Recycler
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877-777-0043 Fax 419-931-0740

Publisher and Editor

ESTHER G. FOURNIER
news@AmericanRecycler.com

Editorial Focus Section Editor, Production and Layout

DAVID FOURNIER, JR.
david@AmericanRecycler.com

Production and Layout

MARY E. HILL
mary@AmericanRecycler.com

Marketing Representatives

MARY M. COX
maryc@AmericanRecycler.com
MARY E. HILL
mary@AmericanRecycler.com

Circulation Manager

DONNA L. MCMANUS
donna@AmericanRecycler.com

Writers and Contributors

MIKE BRESLIN
mbreslin@AmericanRecycler.com
DONNA CURRIE
dcurrie@AmericanRecycler.com
MARK HENRICKS
mhenricks@AmericanRecycler.com
RON STURGEON
rons@rdsinvestments.com

Production Offices

900 W South Boundary, Bldg 6
Perrysburg, OH 43551-5235
877-777-0043 fax 419-931-0740
www.AmericanRecycler.com

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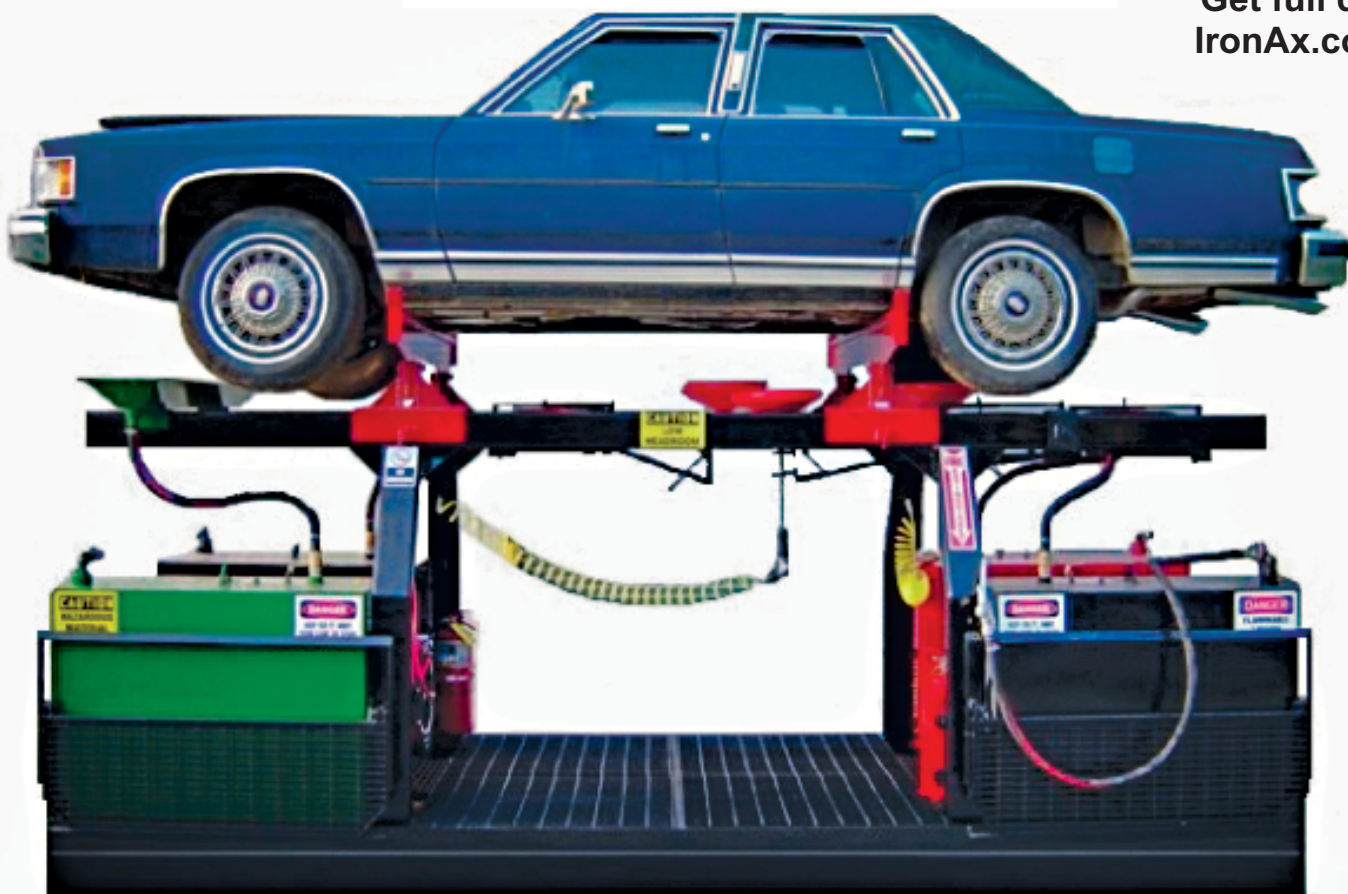
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Mattress Recycling Council's plan approved

Connecticut mattress recycling program begins

The Connecticut Department of Energy and Environmental Protection (DEEP) approved the Connecticut Mattress Stewardship Plan developed by the Mattress Recycling Council (MRC), a non-profit organization created by the mattress industry to develop and manage the statewide mattress recycling program established by Public Act 13-42. This makes Connecticut the first state to work with MRC to implement a statewide mattress recycling program.

The approved plan requires that retailers add a \$9 recycling fee to each new or renovated mattress and box spring sold to Connecticut consumers. Consumers will begin to see this fee as a sepa-

rate line item on their receipt beginning on May 1. Retailers and other businesses selling mattresses will remit the fees to MRC. The fees will pay for contractors that will collect and recycle the mattresses.

This program will divert mattresses from the solid waste stream to recyclers who will extract valuable resources including steel, foam and cotton from each mattress. It also minimizes recycling costs to consumers because the statewide program creates an economy of scale.

MRC estimates that in the U.S. at least 20 million mattresses and box springs are discarded each year when consumers replace their old mattress. This averages to about 50,000 daily.

Zero waste solutions offered for every business and material

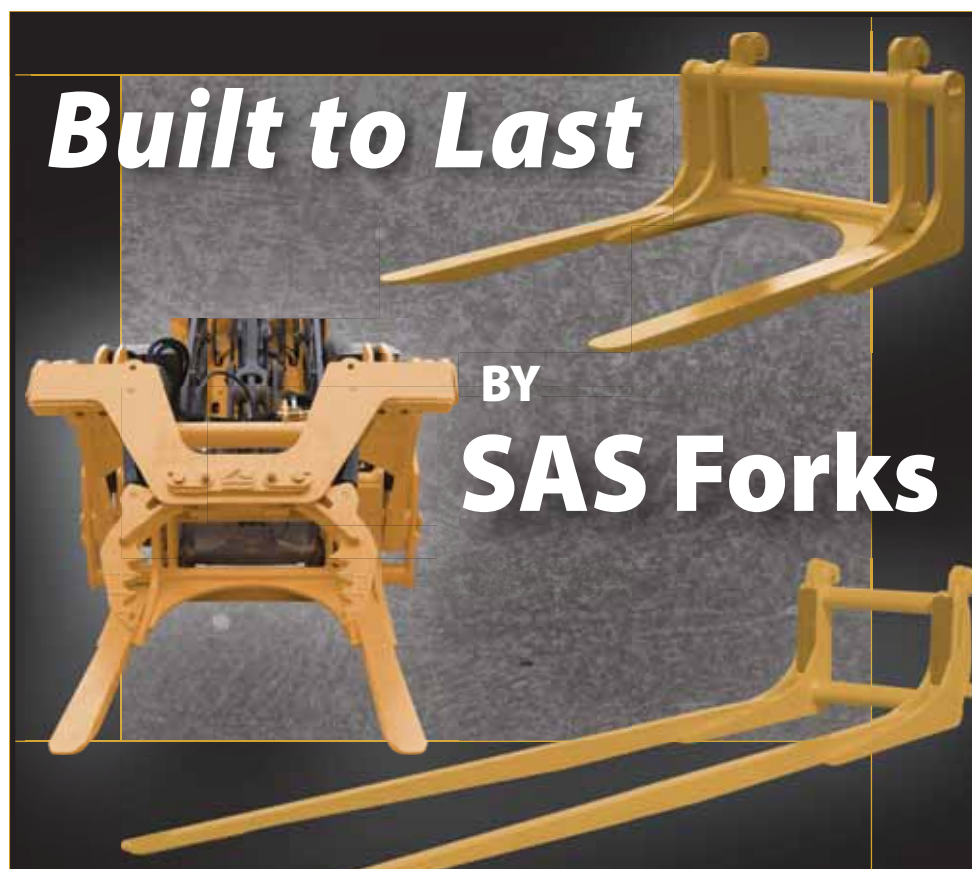
BioHitech America, a technology company offering a solution for food waste removal, partnered with Avangard Innovative, a recycler in the Americas with operations in 12 countries. This partnership adds another member to AI's Natura Zero™ global network of waste solutions providers, which through zero waste initiatives, help customers monetize recyclables. BioHitech America will further AI's mission of zero waste to landfills by now being able to offer Natura Zero clients a cost-effective, environmentally responsible solution for food waste disposal.

The Natura Zero program launched in 2013 to focus on zero waste to landfill and

with the addition of BioHitech America, the program can focus on the organics processing side. The program utilizes proprietary technology and software to track, report, analyze and audit customer waste and recyclables.

BioHitech America's Eco-Safe Digester, an on-site aerobic digester, eliminates up to 2,400 lbs. of food waste in a 24 hour period by converting it into nutrient-neutral water and transporting the water safely through standard sewer lines. The BioHitech Cloud, a technology platform hosted by Amazon, measures key metrics to optimize the food waste disposal process.

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Influential Woman in Trucking Award

Navistar and the Women in Trucking Association (WIT) presented the fifth annual Influential Woman in Trucking award to Kari Rihm, president and chief executive officer, Rihm Kenworth, during the Truckload Carriers Association annual meeting.

The Influential Woman in Trucking award recognizes women in the trucking industry who make or influence key decisions, have a proven record of responsibility, and mentor and serve as a role model to other women. WIT and Navistar teamed up to develop this award in 2010 as a way to honor female leaders in trucking, and to attract and advance women within the industry.

Rihm took over Rihm Kenworth after the passing of her husband in 2010. The company, based in St. Paul, Minnesota, has been in her husband's family since 1932. With help from her 2 children, who represent the fourth generation at the dealership, and other dedicated employees, Rihm Kenworth has since added 2 additional locations, growing from 3 to 5 dealerships. They have also increased headcount by over 50 percent, been the Kenworth Truck Company Medium Duty Truck Dealer of the Year 3 out of the last 4 years, and have been certified by the Womens Business Enterprise Network Council (WBENC) since 2011.

Rihm Kenworth is the only 100 percent woman-owned Kenworth dealer in the U.S. Rihm has been named a Minneapolis/St. Paul Business Magazine Family Business Honoree in 2013, received a National Association of Women-Owned Businesses local chapter Pioneer Award in 2014, and was honored with a 2015 nomination for American Truck Dealers Association Dealer of the Year.

Facility closes after 45 years

Due to significant rising costs and the availability of alternate facilities and programs, the Palos Verdes Recycle Center (PVRC) closed permanently in March. The PVRC was a certified buy-back recycling facility located in Rolling Hills, California.

The facility had been in operation since 1970. It was started by community members who recognized the need for a local recycling center at a time when curbside collection programs were not yet available for household recyclables. The Sanitation Districts of Los Angeles County took over operation of the recycle center in 1976.

As explained by Chuck Boehmke, head of the Sanitation Districts' Solid Waste Management Department, "There are over 20 alternative facilities located within an 8 mile radius of the Palos Verdes Recycle Center where the public can take recyclable materials in exchange for cash." In addition, all of the surrounding communities have curbside residential recycling programs. The Sanitation Districts will guide the public to transition to these alternative facilities.

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Keep America Beautiful recognizes K-12 recyclers

Magnet Traditional School, a Phoenix, Arizona elementary school, was named national champion of Keep America Beautiful's Recycle-Bowl®, the nationwide recycling competition for students.

Competing against 1,400 schools spanning 49 states and the District of Columbia, Magnet Traditional School elementary students recycled 48 lbs. of materials per person during the competition. The school will be awarded a recycled content plastic bench, courtesy of Trex.

Nearly 900,000 students and teachers competed in Recycle-Bowl, striving to recycle as much as possible. Recyclables recovered during the 2014 competition totaled 4.4 million lbs.

Other national category winners are:

•Community Division: Hillcrest Elementary School, Dublin, Georgia.

•District Division: Albany Unified School District, Albany, California.

•Waste Reduction Champion: Guy Lee Elementary, Springfield, Oregon.

•Food Scrap Collection Champion: Albany Children's Center, Albany, California.

•Most Improved School: Central High School, Phoenix, Arizona.

Phoenix's Central High School, which demonstrated the most improvement in its recycling per capita rate from 2013 to 2014, will receive \$2,500 worth of recycling bins from Busch Systems.

Keep America Beautiful's Recycle-Bowl was made possible in part through support from Consumer Aerosol Products Council, Trex and Busch Systems.

Waste Pro opens recycling facility in Ocala, Florida

Waste Pro has opened a new state-of-the-art material recycling recovery facility in Ocala, Florida.

The new 65,000 sq.ft. recycling facility on 9 acres processes plastic, paper, glass, cardboard, metals and other recyclable materials at a rate of approximately 24,000 tons per year. The material will be collected from surrounding areas.

The \$6.5 million investment by Waste Pro resulted in creating 21 new jobs, many of which are in the sorting department, and is located just east of Interstate 75. Ocala began its recycling program in 2012 and has seen a steady increase in volume and participation in subsequent years.

This facility marks the ninth of its kind for Waste Pro.



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INDUSTRY PROFILE

A Closer Look

by Donna Currie

Cypress Auto Recyclers

Nicolas Percey • 800-573-7278

Cypress Auto Recyclers is in its second generation of ownership, and Nicolas Percey, the office manager, is the third generation working there. He got his start at the company at a young age, working part time and in the summer, and after college he started working there full time.

The company was founded by Nicolas's grandfather, Don. Don had history in auto recycling before the company was established. In 1953, he had the innovative idea of hauling a whole car to a steel mill to be melted. Prior to that, it wasn't uncommon for old cars to be dumped into California canyons, while the ones that were scrapped were usually cut into small pieces to be hauled in pick-up trucks.

Don's second innovation was hauling multiple scrap cars on a single truck. Later, he designed and built a car crusher. Unfortunately, it exploded on first use, and engineers told him that it would never work. The following year – in 1959 – he built a working car crusher.

When Don's sons, Mike, Bob and Bill, got involved in the business, they began salvaging and selling used auto parts. That led to the founding of Cypress Auto Salvage as it exists today. The company now operates two yards in Oakland, California.



Nicolas's father, Mike, is the sole owner, and while other family members have worked for the company in the past, Nicolas and Mike are the only remaining family members. There are approximately a dozen employees.

Many of the cars that are brought into the yard are from the general public; others are from insurance companies, tow yards, and auto actions. Cypress also picks up cars, usually within a 35 mile radius. The distance they're

willing to travel depends in part on how valuable the vehicle is. If it's too far for Cypress to pick up economically, they will refer the customers to other companies that are closer.

Cypress is a full service yard, so customers don't need to remove parts on their own, and while they don't specialize in particular types of vehicles, they try to stay current with an inventory of cars from the 1990s and newer.

Before scrapping, other parts are removed so metals can be sorted for better prices. Nicolas said that they no longer operate an auto crusher. There is a scrap yard directly across the street, so they just put the cars onto flatbeds for a short trip to be shredded. "We're lucky in our location," Nicolas said.

He said that in the time he's been with the business, he's seen the industry get "cleaner." Some of that is spurred by regulations, but he said that beyond the regulations, "safety, cleanliness, and the environment are a big concern" at Cypress. To keep things clean, almost all of the parts removal is done under a roof.

Their business grew significantly when the company purchased an adjacent property a few years ago, which gave them about three times as much space and allowed them to increase their inventory and process more cars.

Nicolas said that some people believe the auto salvage industry is dying, but "there are still a lot of older vehicles on the road" that might need replacement parts. While consumers can buy parts from dealers, used parts are always more affordable, and there will always be customers who want alternatives to new parts.

Photos of incoming cars are put on the company website, so shoppers can see what might be for sale. "Since we're a small company, customer service is very important." They'll even help find parts or give referrals to other recyclers, if that's what the customer needs. He said it's important to "be able to help people and have a mutually beneficial relationship with our customers."

Even if the desire for used parts slows down, he said there will always be cars that need to be properly disposed of. In California, emissions regulations sometimes drive those disposals, when an otherwise well-running car can't meet the standards and the required repairs are too expensive compared to the value of the car.

Nicolas said that the newer hybrid and electric cars are beginning to show up at Cypress, which opens up new markets. Some of those cars have good batteries which can be re-sold, and some batteries can be refurbished and re-sold, saving the customers money compared to buying new batteries.

While some recyclers find the environmental regulations restrictive, Nicolas said that since the clean air act in the 1970s, environmental issues have become a way of life. "It's always in our consciousness," he said, and he's happy that Cypress always has an eye on maintaining or improving the environment every day.



—Nicolas and Mike Percey

WASTE

More NJ violators charged with illegal dumping

New Jersey State Park Police have charged another eight people in the Department of Environmental Protection's (DEP) continuing crack down on illegal dumping in state parks and recreational lands.

The DEP's "Don't Waste Our Open Space" campaign was launched in late March of last year. Investigations of illegal dump sites on state properties by State Park Police, Division of Fish & Wildlife's Conservation Officers and DEP's Compliance & Enforcement personnel has resulted so far in 36 arrests or charges.

The program is a coordinated effort and all activities are posted on www.stopdumping.nj.gov, a website that serves as a hub for the entire program.

Recent enforcement actions for the illegal dumping initiative, all conducted by State Park Police, include:

•Andrew Carter, of Shamong, was charged with illegal dumping and illegal transporting of solid waste after a dump site consisting of construction material, work site debris and household trash was discovered in Wharton State Forest. Carter faces a maximum fine of \$15,000.

•Pawel Klos of Hamilton (Mercer County) was charged with illegal dumping after an investigation of a dump site consisting of construction debris in a parking lot of D&R Canal State Park in Lawrence. Klos faces a maximum fine of \$5,000.

•Dylan Nowakowski of Ledgewood was charged with illegal dumping after

disposing of construction and household debris in Allamuchy State Park in Mount Olive. Nowakowski pled guilty and was ordered by Mount Olive Municipal Court to pay \$1,466 in fines.

•Drew Dash of Medford, was charged with disposal and transportation of solid waste after several bags of trash and personal belongings were found in Wharton State Forest in Shamong. Dash faces a maximum fine of \$15,000.

•James Cassady, of Lumberton, was charged with illegal dumping after a Burlington County park ranger witnessed him dumping yard debris in Rancocas State Park. Cassady faces a \$1,000 fine.

•Dylan Scarpone, of Stanhope, and Christopher Ederer, were separately charged with illegal dumping in Mount Olive Township. Both pled guilty in Mount Olive Court and were ordered to pay \$283 in fines.

•Deanna Cottle, of Browns Mills was charged with illegal dumping after being captured on surveillance photos dumping leaves on three separate occasions in Brendan Byrne State Forest in Pemberton. Cottle pled guilty and was ordered to pay a \$283 fine.

Strategically deployed motion-sensor cameras have been set up in select state parks and wildlife management areas to help nab violators. Information on arrests and charges filed in connection with illegal dumping will be posted on www.stopdumping.nj.gov.

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360° rotation, air compressor.
3,300 hours. Loaded. \$310,000.



2002 Overbuilt Car Crusher

Gas engine, high speed, hyd. landing gear,
air comp., aux fuel port, portable. \$75,000. + Freight



2011 Al-jon 580 Baler/Logger

5,700 hours. Located in
Central Florida. \$275,000.



1994 E-Z Crusher Elec. Stationary

Automation can be added!
Located in Northern IA. \$25,000.

2014 Overbuilt Loader Stationary mount, 480 V electric motor. 5,000 lbs. at 25' and superior reach of 26'6". \$75,000

2011 Overbuilt Baler/Logger 4,200 hours, John Deere, air compressor. \$290,000

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WASTE

WM reports strong profits for 2014

Waste Management, Inc. disclosed financial results for the fourth quarter and for the year ended December 31, 2014. Revenues for the fourth quarter of 2014 were \$3.44 billion compared with \$3.50 billion for the same 2013 period. Net income for the quarter was \$590 million, or \$1.28 per diluted share, compared with a net loss of \$605 million, or a negative \$1.29 per diluted share, for the fourth quarter of 2013. On an as-adjusted basis, excluding certain items, net income would have been \$308 million, or \$0.67 per diluted share, in the fourth quarter of 2014 compared with \$263 million, or \$0.56 per diluted share, in the fourth quarter of 2013.

The company's as-adjusted fourth quarter 2014 results excluded a tax affected \$0.61 per diluted share impact primarily from a gain on sale of the Company's waste-to-energy business offset in part by charges to impair certain assets.

For the full year 2014, the company reported revenues of \$14.00 billion compared with \$13.98 billion for 2013. Earnings per diluted share were \$2.79 for the full year 2014 compared with \$0.21 for the full year 2013. On an as-adjusted basis, excluding certain items, earnings per diluted share were \$2.48 for the full year 2014 versus \$2.15 for the full year 2013.

Revenue in the fourth quarter decreased by 1.8 percent, or \$63 million, but would have been slightly up if not for a \$48 million decline related to divestitures of certain operations and an \$18 million decline related to foreign currency translation adjustments. For the full year, revenue increased by 0.1 percent, or \$13 million, and would have increased \$164 million if not for a \$90 million decline related to divestitures of certain operations and a \$61 million decline related to foreign currency translation adjustments. Foreign currency translation negatively affected full year adjusted earnings per share by a negative \$0.02 per diluted share.

Internal revenue growth from yield for collection and disposal operations was 2.0 percent for the fourth quarter and 2.3 percent for the full year.

Recyclable commodity prices had a negative \$0.03 per diluted share effect on the quarter, but were more than offset by benefits from operational improvements in the recycling line of business. Overall, recycling operations positively affected earnings by \$0.01 per diluted share in the fourth quarter when compared to the fourth quarter of 2013, despite an average OCC commodity price decline of 23.7 percent.

The company returned \$172 million to shareholders in dividends during the fourth quarter of 2014. For the full year, the company returned \$1.29 billion to shareholders, consisting of \$693 million in dividends and \$600 million in common stock repurchases.

NYC Chapter of the National Waste & Recycling Association opposes Intro 495

The New York City Council's Committee on Sanitation and Solid Waste Management held a hearing in February on Intro 495, a bill that proposes to reduce waste transfer station capacity in select neighborhoods in the city.

Tom Toscano, president of the New York Chapter of the National Waste & Recycling Association (NW&RA) and chief financial officer for Mr. T Carting Corp., and David Biderman general counsel and vice president for government affairs at NW&RA, along with additional leaders of local organizations, testified in opposition of the bill, citing job loss, increased traffic and higher costs. Council members Stephen Levin and Antonio Reynoso introduced the bill last October.

"If Intro 495 becomes law, garbage trucks will have to travel further to the transfer stations in northern Queens, western Brooklyn, and Staten Island," said Toscano. "These trucks will then have to travel back to their yards, most of which are located in northern Brooklyn and west-

ern Queens. This will actually increase truck traffic."

Testimony against Intro 495 came from the following local leaders:

•Tom Toscano, president, New York Chapter of the National Waste & Recycling Association and chief financial officer for Mr. T Carting Corp;

•David Biderman, general counsel and vice president for government affairs at the National Waste & Recycling Association;

•James W. Versocki, counsel for Greater NYC Chapter, New York State Restaurant Association;

•Mike Hellstrom, business manager and secretary treasurer, Laborers Union Local 108 Greater New York Metropolitan Area;

•Ron Bergamini, president of Action Environmental, New York City's largest private carting company;

•Andy Moss, regional government affairs manager, Progressive Waste Solutions/IESI;

•Laura Imperiale, director of government affairs for Tully Environmental

•Jerry Antonacci, president, Crown Container;

•David Hillcoat, Cooper Tank;

•Waste employees concerned they will lose their jobs if this bill is enacted.

"Intro 495 is a job killer and must be stopped in its tracks," said Hellstrom. "Employment as a transfer station worker is not portable and if one worker were to become unemployed as a result of Intro 495, then city government and its elected officials who call themselves progressives have acted 100 percent regressive."

"While it seems that this bill has good intentions, it amplifies the problem it seeks to solve," said Chris Hickey, regional director NYC of the New York State Restaurant Association. "This law simply moves garbage from one place to another which will only exacerbate the problem and cause the loss of jobs in the process."

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—John Kitchens, Vice President
Iron Ax, Inc.

METALS

Steel imports increase by 17 percent in January

U.S. IMPORTS OF FINISHED STEEL MILL PRODUCTS BY COUNTRY OF ORIGIN (Thousands of Net Tons)					
	DEC 2014	NOV 2014	2014 Annual	2015 Annual Est.	% Change 2014 Annual vs. 2013
SOUTH KOREA	836	419	5,449	10,029	84.1%
TURKEY	275	163	2,199	3,301	50.1%
JAPAN	211	185	2,106	2,526	19.9%
CHINA	198	219	3,189	2,377	-25.5%
BRAZIL	187	106	810	2,247	177.3%
GERMANY	128	164	1,278	1,531	19.7%
TAIWAN	112	77	1,188	1,347	13.4%
All Others	1,483	1,627	17,531	17,791	1.5%
TOTAL	3,429	2,959	33,751	41,149	21.9%

Based on preliminary Census Bureau data, the American Iron and Steel Institute (AISI) reported that the U.S. imported a total of 4,250,000 net tons (NT) of steel in January 2015, including 3,429,000 NT of finished steel (up 16.8 percent and 15.9 percent, respectively, versus December final data).

Year-to-date (YTD) total and finished steel imports are 4,250,000 and 3,429,000 NT, respectively, up 33 percent and 40 percent respectively, versus the same period in 2014. Finished steel import market share was an estimated 32 percent in January.

Key finished steel products with a significant import increase in January compared to December 2014 are sheets and strip all other metallic coatings (up 110 percent), oil country goods (up 64 percent), hot rolled sheets (up 39 percent), standard pipe (up 36 percent) and reinforcing bars (up 19 percent).

In January, the largest volumes of finished steel imports from offshore were from South Korea (836,000 NT, up 100 percent vs. December final), Turkey (275,000 NT, up 69 percent), Japan (211,000 NT, up 14 percent), China (198,000 NT, down 10 percent) and Brazil (187,000 NT, up 77 percent).

When you get old, your secrets are safe with your friends.
They'll never share them because they can't remember them.

Novelis and Henkel partner on advanced bonding for high-volume aluminum vehicles

Novelis and Henkel Adhesive Technologies signed a long-term agreement to collaborate on the development of advanced bonding technologies for the use of aluminum in high-volume vehicles.

The first product to launch as a result of this partnership is Bonderite® M-NT 8453, the latest evolution in aluminum surface pre-treatments, providing a cost-effective adhesive bonding system for the most demanding vehicle requirements.

Bonderite M-NT 8453 is a chrome-free conversion coating that improves the adhesion and durability of bonded joints in vehicle structures as well as paint finishes on exterior components. While other solutions may be limited in their methods of application, Bonderite M-NT 8453 can be applied using all of the most popular application methods, including immersion, spray coating and roll coating. This flexibility makes it a highly versatile and efficient solution for high-volume applications.

Bonderite M-NT 8453 is designed to outperform other available pre-treatments in its compatibility with the new thermal treatment processes being introduced by automakers to achieve elevated levels of strength from aluminum alloys. Bonderite M-NT 8453 will be made available by Henkel across the globe, with no licensing or royalty requirements.

Bonderite M-NT 8453 was jointly developed by scientists at Henkel's Madison Heights, Michigan facility and at the Novelis Global Research and Technology Center in Kennesaw, Georgia. The product is commercially available and is currently being qualified with several global automakers. Bonderite M-NT 8453 is initially being manufactured at Henkel's Warren, Michigan, plant and will be offered by Novelis to all of its global customers.

Aqua Metals acquires acreage to build lead battery recycling facility

Aqua Metals, Inc., a developer of a patent-pending electrochemical battery recycling technology, has entered into a contract to purchase 12.5 acres in Nevada's Tahoe Reno Industrial Center to establish the site of the company's first AquaRefinery™. Subject to acquisition of additional financing, the company plans to begin construction of its AquaRefinery in mid-2015 and be fully operational by the first quarter of 2016. When completed, the AquaRefinery will be the world's first large-scale lead recycling facility that does not require a traditional smelter to reprocess lead batteries.

■ For more Metal Recycling news, see Page B1.

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Scrap Metals MarketWatch						
Commodity		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
#1 Bushelings	per gross ton	\$164.00	\$169.00	\$175.00	\$225.00	\$251.00
#1 Bundles	per gross ton	165.00	160.00	165.00	220.00	240.00
Plate and Structural	per gross ton	160.00	165.00	175.00	220.00	252.00
#1 & 2 Mixed Steel	per gross ton	160.00	165.00	175.00	225.00	235.00
Shredder Bundles (tin)	per gross ton	99.00	109.00	125.00	149.00	180.00
Crushed Auto Bodies	per gross ton	129.00	130.00	125.00	149.00	180.00
Steel Turnings	per gross ton	90.00	86.00	89.00	140.00	145.00
#1 Copper	per pound	1.90	2.00	2.40	2.49	2.50
#2 Copper	per pound	1.80	1.85	2.29	2.30	2.38
Aluminum Cans	per pound	.52	.59	.75	.72	.69
Auto Radiators	per pound	1.29	1.25	1.50	1.54	1.65
Aluminum Core Radiators	per pound	.56	.59	.65	.67	.60
Heater Cores	per pound	1.09	.99	1.08	1.10	1.35
Stainless Steel	per pound	.49	.51	.54	.57	.58

All prices are expressed in USD. Printed as a reader service only.

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PAPER

ITC votes to proceed on uncoated paper case

The U.S. International Trade Commission (ITC) voted in the preliminary phase of its investigations of the trade case filings by four domestic companies and the United Steelworkers (USW) union against uncoated paper imports from Australia, Brazil, China, Indonesia and Portugal. The four manufacturers are Domtar Corporation, Packaging Corporation of America (PCA), Finch Paper, LLC and P.H. Glatfelter Company.

The affirmative vote by the ITC means that there is a reasonable indication that imports are injuring or threatening injury to the domestic industry and paper workers' jobs. Therefore, the U.S. will proceed to investigate the USW and companies' petitions requesting duties on the unfairly-traded imports of uncoated paper products. About 130,000 workers are represented by the USW in the paper and forestry products industry, a loss of more than 60,000 jobs since 2002.

"Multiple plant shutdowns across the uncoated paper manufacturing sector have cost almost 2,500 workers their jobs since these foreign competitors began flooding our market with unfairly traded products," said USW international vice president Jon Geenen. "These are good, family-supportive jobs that are being lost to dumped and subsidized imports. It's time to restore fair trade conditions to the market to preserve and restore the jobs that have been lost to predatory trade practices," he added.

The anti-dumping and countervailing duty petitions were filed at the U.S. Department of Commerce (DOC) and with the ITC on January 21, 2015. The paper products covered by the petitions include uncoated paper used in copying, brochures, maps, and other applications.

The petitions ask for duties to offset the dumping of certain uncoated paper from all five countries and to offset the

subsidies on imports from China and Indonesia. These petitions cover all uncoated paper in sheets (including cut-size and folio), weighing between 40 and 150 gsm and having a GE brightness level of 85 or higher.

The antidumping and countervailing duty petitions indicate that imports of the subject products from the five cited countries increased 44 percent from 2011 to 2013 and 40 percent from January-September 2013 to January-September 2014. During January-September 2014, imports from the subject countries equaled 86 percent of imports from all countries and 21 percent of U.S. consumption.

The imports increased despite declining U.S. demand. Shipments of certain uncoated paper from domestic manufacturers declined by approximately eight percent from 2011 to 2013, and by nine percent from January-Sep-

tember 2013 to January-September 2014.

Now that the ITC has determined there is a reasonable indication that imports are materially injuring or threatening material injury to the domestic industry, the investigations will continue.

The Commerce Department announced its decision to initiate antidumping duty investigations on uncoated paper imports from the five countries and countervailing duty investigations on imports from China and Indonesia.

The DOC will make its preliminary subsidy determinations in June and its preliminary dumping determinations in June (August if extended). If those determinations are affirmative, the DOC will instruct U.S. Customs to collect antidumping duty cash deposits to offset the subsidies.

Access improves

The Carton Council of North America has reported that carton recycling access continued to grow significantly in 2014. Access expanded to an additional three states, as well as 6.1 million households across the country, and now more than 53 percent of households across 48 states can recycle their food and beverage cartons through local curbside recycling and drop-off programs. This momentum is continuing through 2015, as more than 500,000 new households were added to the count in January alone.

AF&PA releases January paper reports

The American Forest & Paper Association released its January U.S. paper reports.

Containerboard

Containerboard production was 1 percent higher compared to December 2014 and 3.9 percent higher than January of last year. The month-over-month average daily production was 1 percent higher. The containerboard operating rate for December increased to 96.2 percent from December's 94.7 percent.

Kraft Paper

Total Kraft paper shipments were 124.4 thousand short tons, 3.1 percent lower than December 2014. Bleached Kraft paper shipments decreased slightly to 9.4 thousand tons compared to December, while unbleached Kraft paper shipments decreased from 118.7 thousand tons to 115. Shipments for the first month of 2015 were 6.3 percent lower than January 2014. Total month-end inventories increased to 83.3 thousand tons.

Paperboard Report

Total boxboard production decreased 0.2 percent when compared to January 2014 but increased 3.9 percent from last month. Unbleached Kraft boxboard production decreased over the same month last year and decreased compared to December. Total solid bleached boxboard and liner production increased compared to January 2014. The production of recycled boxboard increased compared to January 2014 and compared to December.



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2013 Cat 336EL with a Genesis GXP700 shear. 4,150 hours. Great condition – can be seen and demonstrated. \$290,000



2006 E-Z CRUSHER MODEL A+
Very good condition. \$73,000



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230 hp CAT engine, 3,500 hours and multiple screens. \$92,500



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Car crusher with "QS" quick setup. \$68,000



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2008 AMERICAN PULVERIZER 72 x 72
Slow speed rip shear shredder with two John Deere 375 kw gen-sets. All trailer mounted. \$550,000



2011 HITACHI 225LC WITH SHEAR
2011 Hitachi 225LC with 2012 Genesis GXP300R shear. \$196,000



2010 CM MULTI STACK SHREDDER COMPLETE SYSTEM
Excellent condition, always maintained to CM's schedule and housed under roof. New classifier and drum. \$295,000



2005 LABOUNTY MSD4500R ROTATING SHEAR
Rebuilt like new. \$110,000



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Good working condition.

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2006 AL-JON 400 XL METAL BALER

7,600 hours. Good condition and immediately available.

\$195,000



2007 CM MULTI STACK CHIPPER

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2007 SENNEBOGEN 850M W/ GENSET

16,665 hours. Engine replaced 11,766 hours.

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ELECTRONICS

Partnerships created to benefit electronics recycling

Michigan based 3S International, an electronics and lamp (light bulb) processor, said that it has formed strategic partnerships with regional and national recycling companies including IMS Electronics, Kuusakoski Recycling and Valley City Electronic Recycling as part of its growth plan. By partnering with recyclers with different capabilities, 3S is able to share resources and expand their service region, while providing partners with the only safe downstream solution for LCD screens and mercury-containing devices.

"We will only partner with companies that adhere to strict environmental standards. While each recycler brings their own specialized recycling methods and niche skills to the table, our strength is in providing the best downstream solution to process LCDs and mercury-containing devices on a large scale. We don't want to compete with other recyclers, we want to work together. My hope for this collaboration is to keep as much mercury out of the environment and away from communities as possible," said Gina Yob, vice president of sales and marketing for 3S International

This focus on collaboration within the electronics recycling industry is one part of 3S International's planned growth, and paves the way for the opening of a new facility in Southeast Michigan.

Since partnering with IMS Electronics, Kuusakoski Recycling and Valley City Electronic Recycling, 3S International has experienced nothing short of an exponential boom. In the first month alone, the partnerships brought in more than a million pounds of end-of-life electronics, and the numbers are continuing to rise.

Each recycler is now able to expand their reach and increase their processing capacity by sharing resources and collection methods. Once electronics are collected, they are sorted and the materials are shipped to the company who can recycle them best. 3S International provides its partners with the best technology in North America to process LCD screens and mercury-containing devices. 3S's Swiss-designed BLUBOX can meet the e-recycling needs of around 6 million people annually by processing 15 million pounds of electronics and lamps per year.

Lenovo, Arizona DEQ join R2 recycling leaders program

Sustainable Electronics Recycling International (SERI) has added both Lenovo and the Arizona Department of Environmental Quality (ADEQ) to the R2 Leaders program.

R2 Leaders is a partnership program to recognize and coordinate engagement on electronics recycling issues. Companies, organizations and other stakeholders joining the program pledge to manage their electronics responsibly, consider R2 Certification as part of their criteria for choosing a recycler, and demonstrate leadership in the field of electronics recycling through the projects and policies.

Lenovo brings with it a strong commitment to environmental sustainability in the design of its PCs and other electronics, and has implemented policies to ensure it uses responsible recycling vendors. Addi-

tionally, the company has donated funds which will help translate the R2:2013 Standard, R2 Guidance Document and R2 Code of Practices into both Spanish and Portuguese, which will help in a broader effort to expand R2 certification in Central and South America.

The Arizona DEQ is notable as the first government agency to sign on to the program. As part of its commitment to the R2 Leaders program, ADEQ will work with SERI to provide education to residents on responsibly managing used electronics, as well as resources on where they can find certified recyclers within the state.

These latest additions bring the total number of stakeholders participating in the R2 Recycling Leader program to 18 partners.

ALTERNATIVE ENERGY

Desert Sunlight Solar Farm starts photovoltaic power plant operation

U.S. Secretary of Interior Sally Jewell along with about 150 federal, state and local officials, and energy industry leaders, gathered to commission the 550 megawatt (MW) Desert Sunlight Solar Farm, located in Desert Center, Riverside County, California.

Project owners NextEra Energy Resources, LLC, a subsidiary of NextEra Energy and GE Energy Financial Services, a unit of GE and Sumitomo Corporation of Americas all helped flip the switch for the official commissioning of Desert Sunlight.

The Desert Sunlight Solar Farm is located on approximately 3,600 acres of land managed by the U.S. Bureau of Land Management. The project is delivering environmental benefits, including displacing approximately 300,000 metric tons of carbon dioxide per year.

First Solar permitted, constructed and is now operating the plant, which uses over 8 million First Solar modules. The power generated is being provided to Pacific Gas & Electric Company and Southern California Edison both under long-term contracts.

Development on the Desert Sunlight Solar Farm began in 2008. Desert Sunlight received its right-of-way grant from the Bureau of Land Management in August 2011. Since breaking ground, the project employed an average of 440 construction workers who logged more than 3.6 million man-hours of work at the facility. In addition, more than 40 California businesses contributed to the project through services ranging from materials, equipment, utilities, labor, housing, and food and beverage.

PHG Energy acquires Florida waste-to-energy facility

PHG Energy of Nashville has acquired multiple intellectual property assets and a municipal gasification plant in the bankruptcy of Florida based MaxWest Environmental Systems, Inc.

In addition, Jeff Snyder has joined PHG Energy (PHGE) to lead the sales division. Snyder had served nearly three years as head of sales and marketing with MaxWest.

PHGE president Tom Stanzione said the acquisition will enhance the company's ability to diversify its offerings in the waste-to-energy marketplace.

Stanzione said PHGE is now engaged in detailed scientific and engineering evaluation of the former competitor's technology, and the primary focus will be on how it will complement the current offerings of PHG Energy.

Assets purchased in the bankruptcy auction included previously issued patent

work as well as in-progress intellectual works, the Sanford gasification plant, and other confidential technology, financial information and essential data owned by the company.

The future of the biosolids gasification plant in Sanford has not yet been determined. The system had been in service since the fall of 2009 processing sludge from the city's wastewater treatment plant, and it also had taken care of sludge from two other nearby cities. Its closing was a result of the MaxWest financial situation and ended what was a successful run of operations for the customer.

Chris Koczaja, who has served as vice president of sales and engineering since the company's inception, will be devoting his full attention to implementing new systems and installations in an expanded role of vice president of engineering and project implementation.

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AUTOMOTIVE

Congressional reintroduction of Parts Act gives consumers choice in collision repairs

A congressional reintroduction of the Promoting Automotive Repair, Trade and Sales Act, known as the “Parts Act”, was reintroduced in the U.S. House of Representatives and the U.S. Senate in February, by U.S. Representatives Darrell Issa (R-CA) and Zoe Lofgren (D-CA), and U.S. Senators Orrin Hatch (R-UT) and Sheldon Whitehouse (D-RI). Rep. Hank Johnson

(D-GA) is an original cosponsor. The new bill numbers are H.R. 1050 and S. 560. Both bills are assigned to the respective Judiciary Committees.

The Parts Act would amend Title 35 of the U.S. Code to provide an exception from patent infringement for certain component parts of automobiles, which includes collision parts.

“This legislation will help motoring consumers have quality, affordable and safe choices in their repairs when purchasing collision parts such as finders and hoods,” stated Ray Pohlman, president, The Coalition for Auto Repair Equality (CARE).

The Parts Act would reduce the number of years car companies (original equipment) can monopolize design patents from 14 years down to 2.5 years.

Consumers benefit when there is competition in parts replacements, whether its cosmetic collision parts or under-the-hood parts. Alternative replacement parts could potentially save consumers \$1.5 billion annually. The average price of aftermarket parts is 34 percent less than the original equipment parts, allowing low and fixed income motorists to have the best quality parts at affordable prices.

“According to the Quality Parts Coalition, which CARE is a member, the car companies have secured nearly one thousand design patents on individual cosmetic collision repair parts such as hoods, fenders and mirrors, just in the last decade,” stated Sandy Bass-Cors, CARE executive director.

Electric cars gain ground in vehicle rankings



—Smart ForTwo Electric Drive

At greencars.org, the American Council for an Energy-Efficient Economy released its 18th annual comprehensive environmental ratings for vehicles.

The following vehicles comprise the Greenest List for 2015:

- 1. Mercedes-Benz Smart ForTwo Electric Drive Coupe
- 2. Chevrolet Spark EV
- 3. Fiat 500E
- 4. Toyota Prius C
- 5. Nissan Leaf
- 6. Toyota Prius Plug-In Hybrid
- 7. Lexus CT 200H
- 8. Honda Civic Hybrid
- 9. Honda Civic Natural Gas
- 10. Mitsubishi Mirage
- 11. Ford Focus Electric
- 12. Volkswagen Jetta Hybrid

The Smart ForTwo Electric Drive tops the Greenest List once again this year with the highest Green Score ever. Toyota’s Prius Plug-in and original Prius perform exceedingly well again in 2015, jointly taking spot #6. The original Prius also scored high. At #10, the Mitsubishi Mirage was the sole conventional vehicle to earn a spot on the list this year, although the conventional Smart ForTwo is not listed only because its all-electric counterpart had already claimed a spot on the Greenest List. Six out of 12 places in this year’s Greenest List were claimed by plug-in electric vehicles.

Electric vehicles claimed additional spots on this year’s Greenest List largely due to the inclusion of one vehicle that just missed a spot on the 2014 Greenest List (the Ford Focus Electric), as well as two vehicles that were left off the list last year due to low sales volume (the Spark EV and Fiat 500E). Two mid-size vehicles also appear on the Greenest List: the Nissan Leaf and Toyota Prius Plug-in, indicating that green need not mean small. This year’s list also features a diverse array of manufacturers: nine different automakers are represented by the 12 top scoring vehicles, including two American manufacturers (Chevrolet and Ford) and two European manufacturers.

Stacy met up with Dana while she picked her car up from the mechanic shop.

Stacy asked her, “Is everything okay with your car now?”

Dana replied, “Yes, thank goodness! I was worried they’d try to rip me off, but I was relieved when he told me all I needed was \$32 worth of blinker fluid.”

Salvaging Millions

by Ron Sturgeon
Autosalvageconsultant.com

Tools for success – an ongoing series

Keep perfect credit

When I started in business, I had no money. I borrowed nearly every penny to start my first business. I became pretty darn good at borrowing money. I was one of the first auto recyclers to borrow large sums to buy cars, a feat that many people in the business believed to be impossible.

The key to getting my banker to say yes was cultivating a relationship. If you want to know step-by-step how to build a solid relationship that will let you get the capital you need, buy my book, Getting to Yes with Your Banker, on Amazon.

For now, let me share a little about the importance of having good credit. To a banker, there is no substitute for good credit.

How do you keep good credit? One of the crucial steps is to protect yourself from identity theft and credit fraud. Make sure you have a watch on your credit report. All the credit bureaus offer them. Credit monitoring service is not expensive. It costs about \$14 per month and is an absolute must. Having a watch on your file means that the bureaus will alert you whenever anyone accesses your credit file and whenever your credit score changes.

You should also check the accuracy of the information in your credit file. Order a tri-bureau (one that covers all three credit bureaus) report with scores. Be proactive in removing any inaccurate derogatory information.

Is your score at least a 720? If it isn’t, you need to think about how to get it there. A 720 is the current cut off for prime loans. If your score is at least a 720, your past credit history will not be the reason your loan application is turned down.

Once you know where you stand and have a program to keep an eye on your credit reports, you need to be diligent about keeping promises to your creditors. If you can’t pay a credit card

in full, pay the minimum due and pay it on time. Yes, it was only \$10, but it’s the promise you kept, not the amount you paid, that matters.

My credit file has records dating back to 1979. It’s perfect. Not one late payment ever. That’s the sort of reassurance bankers like. They like a sterling credit report much better than a story. Bankers don’t have time for stories. They care about results. Be known as the client who moves fast, handles his business, and stays in front of issues. My bankers love me because I’m credible, entertaining and very candid. I call it like it is. They can count on my results.

The other reason that bankers love me is that they make a lot of money on me. When I come to them for money, I have a very profitable use for it, and I know that a quarter or a half point won’t make any difference to the quality of my life or my business.

I act accordingly.

I don’t try to beat every banker out of every quarter point. I want them to point at me when I come in the lobby and say, “There goes one of our best customers. We make a lot of money on him.”

If you do your job right and make a strong application for a loan (one that has solid answers to the what, why, how, etc.), banks will likely want your business enough to give you a competitive rate. If they don’t, ask them to review the rate.

However, think beyond the one transaction. Think long term. Build a relationship with your bankers. Notice I said bankers. I always have two. Having two lets the banker you are talking to know that he or she has potential competition.

A little potential competition is good for the heart and good for the relationship. Stay tuned for more on good credit and how to keep it in next month’s article.

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This article was provided by autosalvageconsultant.com, which was formed in 2001 by recyclers for recyclers, to help them improve their businesses.

AUTOMOTIVE

Illegal vehicles seized

The U.S. Environmental Protection Agency (EPA) and U.S. Customs and Border Protection (CBP) disclosed the results of a 90 day joint operation targeting foreign made vehicles and equipment imported without proper emission controls in violation of the federal Clean Air Act. More than 730 items, including ATVs, motorcycles and generators, were seized or exported back to their country of origin. EPA estimates that the noncompliant vehicles and engines in its enforcement cases would have emitted over 350,000 pounds of pollutants per year.

Under the joint operation between the two agencies, EPA conducted inspections at the ports of Long Beach and Los Angeles and worked with CBP to investigate companies that had previously imported engines and vehicles. These inspections found that numerous companies imported vehicles and engines without proper certification. As a result of the joint operation's success, EPA Region 9 will continue to conduct inspections with CBP at the ports on a monthly basis. Engines operating without proper emission controls can emit excess carbon monoxide, hydrocarbons and oxides of nitrogen which can cause respiratory illnesses, aggravate asthma and contribute to the formation of ground level ozone or smog.

The eight cases were a result of the joint operation, as well as prior EPA Region 9 inspections. In total, the companies will pay more than \$57,000 in civil penalties. Because the companies involved are first time violators, penalties will significantly rise if they violate Clean Air Act regulations again. EPA and CBP will continue to work together to scrutinize future imports of mobile sources of emissions. The eight EPA cases are:

Nan Fang Distribution Group, LLC

Nan Fang imported 26 uncertified compression ignition engines. The engines, imported as parts, lacked the proper emissions certifications and labels. The engines ranged in horsepower and could be used in trucks, buses, construction equipment and marine applications. Nan Fang was required to export all engine models in its inventory that were in violation out of the country.

Kandi USA, Inc.

Kandi imported 64 uncertified ATVs and go-karts. The nonroad vehicles also contained catalysts that did not conform to the description in the company's application for certification. EPA required the company to export all ATVs and go-karts in its inventory that were in violation out of the country.

Vantage Vehicle International, Inc.

Vantage imported 21 uncertified non-road vehicles such as mini trucks, whose catalysts did not conform to the description in the company's application for certification. The company was required to submit a report to EPA correcting its application for certification.

Dongfang Motor Inc.

Dongfang imported 52 uncertified ATVs. EPA required the company to

export all ATVs in violation out of the country.

Dynamic Power Equipment, Inc.

Dynamic Power imported 145 uncertified gasoline or tri-fuel generators that either were not covered by an evaporative emissions certificate or contained catalysts that did not conform to the description in the application for certification. EPA required the company to export the generators in violation out of the country.

Alliance Powersports, Inc.

Alliance Powersports imported 36 uncertified gas powered highway motorcycles that were not covered by an EPA certificate of conformity that shows that the vehicles meet applicable federal emissions standards and requirements. The company was required to export all motorcycles out of the country.

Denebola Motor Sports USA, Inc.

Denebola imported 14 uncertified highway motorcycles and did not have the correct documentation or engine labeling to demonstrate appropriate use of the vehicles. The company demonstrated that the motorcycles were imported for research and development, and not to be sold for on road use and were provided with the necessary exemption information.

Sanven Corporation

Sanven imported 52 uncertified outboard engines and 55 uncertified small spark-ignition engines. EPA required the company to export all 107 engines out of the country.

The Clean Air Act prohibits the importation or sale of any new engines or vehicles unless they are certified by EPA to meet federal emission standards. Every vehicle and engine sold in the U.S. must be covered by an EPA-issued certificate of conformity. To obtain certificates of conformity, manufacturers or importers must submit an application to EPA that describes the engine or vehicle, including its emission control system. The application must also provide emissions data demonstrating that the engines and vehicles will meet applicable federal emission standards.

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INTERNATIONAL

No deterrent: Trivial fines for fly tippers criticized

Fines closer to the maximum sought

People prosecuted for fly tipping are getting off with minor fines that don't act as a deterrent.

That's the opinion of a national waste management company that sees offenders being fined as little as \$50 for dumping rubbish in beauty spots or in the street.

The BusinessWaste.co.uk company said that courts aren't exercising the far steeper penalties available to them, which means that rogue tradesmen and private individuals alike consider fly tipping to be an acceptable risk.

"We've spoken to people who admit to fly tipping, and that's exactly what they tell us," said BusinessWaste.co.uk spokesperson Mark Hall. "Fines are so low, they're prepared to dump their mess in public and leave it to the taxpayer to foot the bill."

"And when rogue tradesmen think it's OK to dump hazardous waste because they think they won't be caught, it turns from being an eyesore to a public health nightmare. It's got to stop."

BusinessWaste.co.uk points to a typical local news story, which it says is just the tip of the iceberg – the case of a man fined just £140 (approximately \$50 USD) for dumping rubbish at Fleet Pond, a Hampshire beauty spot.

While council bosses praised the rare conviction, the group which maintains the pond said that dumping is a regular occurrence but the culprits are rarely caught. "Given the cost of clearing away the mess they leave, fines should be nearer to the maximum," they told local reporters. The local council – Hart – said they budget £30,000 (\$11,000 USD) per year to clean up after fly tippers.

Another report notes that courts in Stafford consider a low fine for dumping rubbish illegally is sufficient.

There are signs that some courts aren't letting the fly tippers get away with it. In Pontypool in South Wales, one man was forced to hand over £1,000 (\$380 USD) after being caught dumping two sofas and a microwave oven in a country lane. The magistrate's order included paying the cost of the clean-up, the kind of justice that Business Waste applauds.

"The place to hit fly tippers is hard in the bank account," said Business Waste's Mark Hall, "And forcing them to pay every last penny of the clean-up operation is the way to do it."

"Nine times out of 10, the courts send the wrong message," said Hall, "It's time to take the problem seriously and stop the joke fines."

PLASTICS

ISRI updates plastics specs

The Institute of Scrap Recycling Industries (ISRI) said that nine new plastics specifications have been published in the Scrap Specifications Circular, after approval by the ISRI plastics division and board of directors.

"The nine new plastics specs were designed to give definition and clarity in the plastics film market," said Robin Wiener, president of ISRI. "As the market for recycled plastics film evolved, ISRI members recognized the need for our specification to reflect their needs and were the driving force behind their adoption. ISRI is a leader in the plastics recycling industry, and as such, will continue to provide the tools and resources to our members to help them better conduct their business each and every day."

The new plastics specifications are:

•**Premium Film:** This grade consists of 100 percent clean, clear, dry, post-industrial film consisting of LLDPE film or LDPE film;

•**A+ Grade Film:** This grade consists of 99 percent clean, clear, dry, post commercial and/or post-industrial film consisting of LLDPE pallet stretch film. May contain small amount of LDPE film;

•**A Grade Film:** This grade consists of 95 percent clean, dry, clear, natural LDPE or LLDPE film. Any mix of post commercial or post-industrial film. Minimal amount of HDPE allowed;

•**B Grade Film:** This grade consists of 80 percent clear, up to 20 percent color, clean, natural LDPE and/or LLDPE films. Any mix of post-commer-

cial or post-industrial film is allowed. Minimal amounts HDPE or strapping allowed;

•**C Grade Film:** This grade consists of 50 percent clear, 50 percent color, dry, LDPE or LLDPE films. Can be any mix of post-commercial or post-industrial film. HDPE or PP films are allowed;

Additions to serve as resource for recyclers.

•**MRF Film:** Film collected and sorted at a MRF, typically generated from curbside collections consisting of HDPE grocery/retail bags, LDPE, or LLDPE films;

•**Grocery Film:** Any mix of clean, dry, grocery, retail, packaging film or dry cleaner bags collected from store return programs. Bales may contain HDPE, LLDPE, or LDPE films combined;

•**Agricultural Greenhouse Film:** Films not used on the ground for agriculture or farming. Examples of which may be bale wrap, greenhouse films, dairy bags and bunker silo films which are polyethylene based; and

•**Agricultural Ground Cover Film:** Any film collected after in field use. Examples of which may be mulch film and irrigation (drip) tubing which is polyethylene based.

The Scrap Specifications Circular contains standard specifications that are intended to assist market participants in the buying and selling of their materials and products.




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BUSINESS BRIEFS

Poole named chairman at Waste Industries USA

Waste Industries USA, Inc. disclosed that Jim Perry will be succeeded by Ven Poole, chief executive officer, as chairman of the board.

Perry, who was the company's first employee, has been with Waste Industries for 44 years. As part of the founder's ownership group, he will continue to serve as a director on the board and will serve as compensation committee chairman.

Other changes include Greg Yorston, president and chief operating officer; Steve Grissom, senior vice president and chief financial officer; and Lisa Inman, senior vice president and general counsel.

Since Waste Industries was founded in Raleigh, North Carolina in 1970, Perry has helped lead the success that saw the company expand its service area to include Delaware, Georgia, Maryland, North Carolina, South Carolina, Tennessee and Virginia, managing solid waste collection, recycling, and disposal for over one million residential, commercial and industrial customers.

Nucor to pay 168th consecutive cash dividend

The board of directors of Nucor Corporation declared the regular quarterly cash dividend of \$0.3725 per share on Nucor's common stock. The cash dividend is payable on May 11, 2015 to stockholders of record on March 31, 2015, and is Nucor's 168th consecutive quarterly cash dividend.

Newalta completes sale of industrial division

Newalta Corporation has completed the sale of its industrial division to Revolution Acquisition LP, a Birch Hill Equity Partners company, for cash proceeds of \$300 million plus the assumption of certain decommissioning liabilities. Proceeds from the sale will immediately be used to pay down Newalta's debt and to support the 2015 capital program.

The industrial division became a stand-alone entity, under the new name Terrapure Environmental. The company has 900 employees and includes a head office in Burlington, Ontario, and over 35 locations across Canada. Terrapure will continue to serve customers in various industry sectors from coast to coast. Former Newalta senior vice president Todd Moser will now lead Terrapure as president and chief executive officer.

ASA adds project engineer to engineering team

ASA Electronics has hired Courtland Jones as project engineer to their quickly expanding engineering team. Jones will be responsible for assisting with all aspects of product development process including project management, product design, sample evaluation, testing and reporting as well as maintaining thorough documentation of products throughout their lifecycle.

Jones graduated from the Indiana Institute of Technology where he received a Bachelor of Science in Mechanical Engineering.

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The PET recycling facility has a capacity of 7,200,000 lbs. input per month. The sorting line consists of positive TITech optical sorters and Bollegraaf conveyors. Grinding systems have Herbold granulators. The plant has clear and colored caustic wash lines with dry and wet cleaning stations.

The caustic/PET flake application line produces 3,500,000 lbs. per month of clear FDA approved flake for bottle to bottle material.



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BUSINESS BRIEFS

Vortex to distribute Roter Car and Metal Baler line

■ Vortex De-pollution and Recycling Equipment of Denver, Colorado have taken on distributorship of the Roter Car and Metal Baler range for North America.

Vortex CEO Nigel Dove explained that although Roter is a relatively new name in the industry they have years of experience in baler manufacturing in the European market. Vortex is adding products to be able to offer a full equipment range to the vehicle and metal processing sector.

NextEra Energy Partners appoints Austin to board

■ NextEra Energy Partners, LP has appointed Susan Davenport Austin to the board of directors of its general partner. Austin joins as an independent director and as a member of the board's audit and conflicts committees.

Since 2014, Austin has been a senior managing director with Brock Capital Group, focusing on strategic and corporate advisory services. In addition, she continues to serve as vice chairman of Sheridan Broadcasting Corporation (SBC), where she has served in a leadership capacity since joining the company in 2002 as vice president of strategic planning and treasurer.

Prior to joining SBC, Austin spent 10 years in investment banking. She was a vice president at Goldman Sachs & Co. Prior to Goldman Sachs, Austin worked for Bear, Stearns & Co. and Salomon Brothers Inc. on multiple financing and merger and acquisition assignments.

Dana Darley joins Vecoplan, LLC

■ Dana Darley has joined Vecoplan, LLC as national sales manager of their plastics division. In addition to overseeing the plastics division sales team, and external network of sales representatives dedicated to plastics, Darley will act as the primary liaison between customers and other departments within Vecoplan that address the needs of the plastics industry. These include the company's research and development (R&D) and marketing departments.

Darley will communicate technical challenges faced by plastics processors in the field to Vecoplan's R&D engineering staff and then work with both parties to develop solutions to these challenges. He will also play an integral role coordinating the introduction of new plastics recycling technologies with Vecoplan's marketing department.

Prior to joining Vecoplan, Darley served six years as vice president/general manager of Process Control Corporation, a supplier of auxiliary equipment to the plastics processing industry. In 2004 he founded Extrusion Auxiliary Services, operating the technical services and plastics auxiliary equipment sales business as its president. Other work experience, within the plastics industry, includes stints as vice president of sales and marketing and then president of Kreyenborg Industries, product and regional sales manager at Maag Pump Systems Textron, and product manager – Extrusion & Compounding with the Fluid Systems Division of Luwa Corporation.

BACE hires Martindale as national service manager

■ BACE, a manufacturer of balers and compactors, has hired Andrew Martindale to the position of national service manager. Martindale will be responsible for scheduling all service and warranty calls and for managing all parts orders and returns.

A graduate of from Central Piedmont Community College with a degree in automotive mechanics, Martindale spent three years as a certified Toyota mechanic then spent a year as a Raymond forklift technician, and two years as a parts correspondent/warehouse specialist.

Daniel Cooper promoted to manager at Spectronics

■ Spectronics Corporation has promoted Daniel Cooper as general manager of operations. In his new role, Cooper will be developing and implementing strategies and goals for the company.

Cooper started his career at Spectronics 10 years ago as a temporary employee in the quality control department, eventually moving on to production coordinator and marketing coordinator positions. Cooper's involvement in varied aspects of the company makes him a perfect fit for general manager of operations.

Working towards improving all internal processes, Cooper will oversee prototype design, research and development, marketing and customer satisfaction. He will also be responsible for ensuring the quality and reliability of Spectronics' state-of-the-art products, and making sure they are shipped out in a timely manner.

Alliance BioEnergy Plus adds to its board

■ Alliance BioEnergy Plus, Inc.'s shareholders elected the new board of directors at the annual shareholder meeting.

Incumbent members Ted Chasanoff, Michael Bilodeau, Daniel de Liege and Mark Koch were reelected to the board of directors while Lt. General Mark Hertling (Ret.) and newly appointed chief executive officer David Matthews were added.

Second-term board member Ted Chasanoff was elected chairman of the board in a subsequent meeting of the new board of directors.

Retiring from the US Army in January 2013, Lieutenant General (retired) Mark Hertling is now leading programs for Global Partnering, Physician Leadership and Health Performance Strategy at the innovative Florida Hospital in Orlando.

Chasanoff is the managing director of CBIZ MHM, LLC, based in the New York office. Chasanoff has extensive experience providing accounting, business advisory, and mergers and acquisition services to both public and privately-held companies in various industries. He serves as the technology practice leader for the New York office.

Lamb Fuels sells service routes to AFR

■ Lamb Fuels Inc., a California based Corporation, has entered into an agreement with Florida based Automotive Fluid Recycling (AFR) to purchase Lamb Fuel's Mid-West, Northeast and Southeast service routes was effective March 15, 2015.

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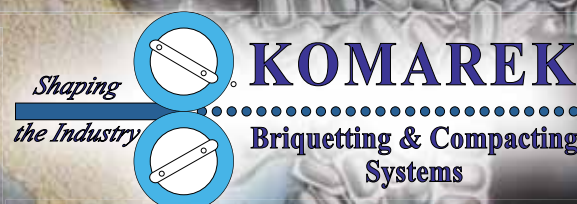
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BUSINESS BRIEFS

Shaffer appointed service manager at Vecoplan

■ Greg Shaffer has been named service manager at Vecoplan LLC. Working with the company's internal team of service technicians, Shaffer will devise and implement systematic procedures and programs to maximize service quality and efficiency. In addition, Shaffer will oversee Vecoplan's network of certified service personnel throughout North America.

Prior to his promotion, Shaffer was a senior service technician at Vecoplan. A licensed mechanic and electrician, Shaffer brings 31 years of technical experience, primarily with industrial controls, to his new position at Vecoplan.

This includes 3 years field experience servicing Vecoplan machinery and 10 years as owner of Mountain Air Services, an electrical and mechanical services company.

Blue Sphere closes joint venture for biogas facility

■ Blue Sphere Corporation closed on a joint venture to develop, construct and operate a 5.2 MW biogas generation facility in Charlotte, North Carolina with affiliates of York Capital Management.

Under the terms of the joint venture, Blue Sphere owns 25 percent of the project and received an initial payment of \$1,250,000 in cash at the closing with a second payment of \$1,175,000 to be paid later in 2015 upon the project's achievement of each of mechanical completion and commercial operation.

Kodiak Manufacturing acquired by Paladin

■ Paladin Attachments has acquired Kodiak Manufacturing, Inc.

Founded in 1996 and headquartered in Charleston, Tennessee, Kodiak is a manufacturer of agricultural implements including rotary cutters, soil and gravel movers, tillers and additional tractor implements. The move supports Paladin's continued product diversification objectives and improves its presence in the agricultural market sector. Similarly, it provides Kodiak with a solid platform for continued growth through increased capacity and market support which enhances the value of the brand to its customer base.

Caraustar closes on Newark Group acquisition

■ Caraustar Industries, Inc., a portfolio company of H.I.G. Middle Market, has completed the acquisition of The Newark Group, Inc.

The Newark Group is a manufacturer of recycled paperboard, linerboard, industrial tubes, cores and other converted products including book covers and packaging solutions. Headquartered in Cranford, New Jersey, The Newark Group has approximately 1,500 employees and operates over 20 manufacturing facilities across North America.

Financing for the transaction was provided by Credit Suisse Securities (USA) LLC, Jefferies LLC, Wells Fargo Capital Finance and Regions Business Capital.



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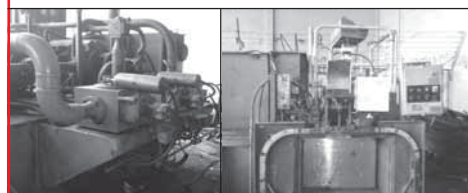
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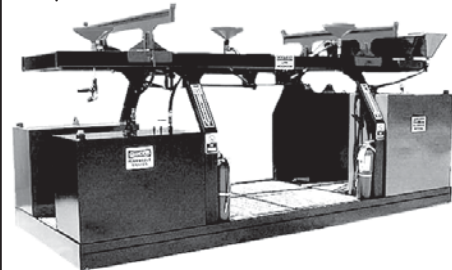
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Ever-smaller fines become a necessary achievement for shredder operators

by MARK HENRICKS

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Shredder operators are increasingly focusing on recovering ever smaller pieces of metal from the shredder residue, employing new technology and impelled by market forces that encourage the practice. Among the elements propelling the change are China's stricter "Green Fence" inspection standards for imported materials, and the industry's never ceasing effort to get more value from auto shredder output.

One key element making the move possible has been improved processing technology, according to Mike Shattuck, recycling market manager for Eriez Magnetics in Erie, Pennsylvania. "Processors want to recover as much metal as possible, but to recover the more elusive fine scrap metal they need more efficient processing equipment," Shattuck said. "Newer separation equipment helps maximize the recovery of these smaller pieces of metal, increases their profit margins and allows them to reduce the amount of valuable metals going to the landfill."

Although new technology is helping drive it, there's more to the story. This is really just the latest chapter in a continuing evolution of shredding that goes back to the beginning of the industry. Until 10 or 15 years ago, most non-ferrous shredder fines measuring less than 1 inch



China's Green Fence operation is believed to have contributed to the push for new technology development.

PHOTO COURTESY OF ERIEZ

were screened out of shredder residue and sent to landfills. This material constituted as much as 50 percent by weight of shredder output and included as much as 5 percent metal content by weight, according to Didier Haegestein, managing director SGM Magnetics, which has U.S. offices in Bradenton, Florida.

As shredder operators sought to become more efficient and maximize revenue from recycled materials, they began separating smaller and smaller fines. Today, for many shredder operators, nonferrous metal fines of .75" to .5" and smaller are the dividing line. This portion makes up most of the weight of shredder residue at this point in processing, but many shredders have not con-

sidered it economically viable to further process the residue to recover these fines.

Eddy current separators are one of the technologies that have helped change this viewpoint. With stronger eddy current separators, improved gravity separators and other tools, the nonferrous fines that are recoverable has shrunk to very fine and now micro fine sizes of as small as an eighth inch. "The whole industry is trying to get every last bit of material in there," said Jason Looman, president of Steinert US in Walton, Kentucky. "This is obviously one of the next steps."

These micro fines, up to about three eighths inch in size, can represent a third or more of shredder residue by weight and can include heavy metals such as gold, silver, lead and palladium as well as significant amounts of copper, aluminum, nickel, zinc and brass. While many commodity prices are off their peaks right now, prices for some of these nonferrous metals have not dropped as much as ferrous metals. And shredder operators' desire to recover more nonferrous metals from shredder residue is partly driven by the wish to shelter their bottom lines from the effects of fluctuating and currently depressed market prices for the ferrous materials that have typically been the focus of recovery efforts.

"With the up and down nature of steel prices, they're looking to stay competitive," Shattuck said. In order to shelter themselves somewhat from ferrous market instability, he added, operators are trying to find other valuable materials they can extract from shredder residue. "This increases the value of what they're buying."

The improvement in recoverable value can be significant. SGM said its micro fines processing line can recover \$65 to \$90 worth of additional metal per ton of .75" or less-sized shredder residue. Shattuck said the Eriez Rougher Cleaner Scavenger system, designed to process Zorba shredded nonferrous scrap metals, can generate an additional \$500,000 in revenue for a typical scrap yard in its first year of operation.

Part of the impetus for developing new technology came from China's Green Fence operation, which tightened inspections of scrap imports to that country. According to Shattuck, the Rougher Cleaner Scavenger system was developed to maximize the grade and recovery of Zorba and meet Green Fence standards. The Eriez gear boosts material recovery to 98 percent and allows scrap shipments to fit the Green Fence requirements for maximum allowable contaminants, he said.

"As part of Green Fence, China requires imported Zorba

to be of a very high grade," Shattuck says. "The RCS will allow scrap yard operators to sell a premium high-grade Zorba which will be sought not only by the Chinese, but by other countries around the world."

Better markets for nonferrous fines are another contributing factor. Red and yellow fines, which have been sold almost exclusively to Chinese buyers, now are in demand from American, European and Asian refiners, according to SGM. And having more customers naturally makes it easier for shredder operators to find purchasers of their smaller fines and to get better prices.

The process itself, however, is not simple. Separating out very small fines is a multi-step effort employing several different separating technologies in series. The most basic approach is to screen out pieces larger than three eighths inches, then apply eddy-current separators to separate small nonferrous fines.

Initial screening is typically by gravity sort separators or destoners employing air and vibratory separation. These start the process by sorting nonferrous fines into lower and higher density fractions. One example, the Eriez DensitySort, can recover 70 percent of red metals from nonferrous fines while also collecting clean aluminum materials, according to the company. These nonferrous auto shredder fines typically contain 8 percent to 12 percent red metals, the company says.

SGM sends material through a pair of destoners and screens followed by high frequency eddy-current separators and dynamic sensor separators to complete the process, resulting in fines that are 95 percent metal, the company said. This is followed by processing with dryers to remove moisture content.

Today's eddy-current separators are significantly improved, according to vendors. New technology in eddy-current separators includes stronger and higher frequency rotors that increase 5 percent to 10 percent more of the desir-

See METAL RECOVERY, Page B6



A Letter from the Editor

Readers,

You know what would be convenient? Not paying my taxes this year. You know what else would be convenient? If I didn't have to keep any business records, or pay for the things I want to purchase at the store, or obey the speed limit on the way to work.

While I do sometimes (often) ignore speed limits, I don't do those other things, despite their convenience, for one very compelling reason – they're illegal. I would fully expect legal repercussions – civil, criminal or both – for engaging in the aforementioned behaviors.

So why then, are people not more outraged at Hillary Clinton's blatant disregard for the rules surrounding the use of e-mail while she served as Secretary of State? Rather than using a sanctioned, government-sponsored e-mail address for her electronic communications, she set up and operated a private e-mail server from her home. When questioned about why she did so, she replied that it was more convenient than carrying separate devices linked to the appropriate accounts.

Being a high-ranking government official isn't always a convenient job. That's presumably why they're so well compensated for their efforts. And in a position in which one is expected to handle government secrets and classified information, security takes firm priority over convenience.

Not only that, but by establishing her own server, it appears that Mrs. Clinton has something to hide. While her communications through a government e-mail address would have been subject to public records requests or court issued subpoenas, Mrs. Clinton is solely in control of what gets produced from her private server.

In fact, she took the liberty of not producing more than 30,000 e-mails that she decided were personal and not of public interest. I'm not certain of any other circumstance when a person being investigated is allowed to determine what is or is not relevant to the investigation. Rather, it looks to me as if Mrs. Clinton is obstructing the investigation into whether her actions were legal, which in and of itself is criminal.

But, as they say, rules were made to be broken, especially for those above such petty things as the law. At the very least, hopefully people will look back and remember Mrs. Clinton's lack of transparency if she still has the gall to make a bid for the presidency in 2016.

Until next month,



Esther Fournier
Editor & Publisher

Signature Group Holdings closes GRSA acquisition

Signature Group Holdings, Inc. has completed the acquisition of the Global Recycling and Specification Alloys (GRSA) business of Aleris Corporation for \$525 million. Signature will operate the business going forward as "Real Alloy."

Real Alloy becomes the world's largest independent aluminum recycler, converting aluminum scrap and dross into high quality aluminum for end use in the automotive and aerospace manufacturing, food and beverage packaging, and building and construction industries. Its customers are automotive manufacturers and their tier one and tier two suppliers and aluminum rolling mills in the U.S., Canada, Mexico and Europe. Real Alloy enjoys economies of scale and the lead market share in third party aluminum recycling in North America and Europe.

Terry Hogan, senior vice president of GRSA's North America division has been named president of Real Alloy. Russell

Barr, vice president of GRSA's European operations will serve as executive vice president of Real Alloy Europe, also effective February 27, 2015.

This deal is transformative for Signature, as it follows through on its publicly announced strategy to become a stable, strategic investor focused on sectors that include transportation, food, water and energy. As a result of the deal, the company expects its annual revenues will increase from less than \$50 million to approximately \$1.5 billion, with significantly positive free cash flow.

A Signature subsidiary issued publicly traded notes of \$305 million, and along with arranging for working capital facilities aggregating \$175 million, Signature contributed over \$180 million of equity into Real Alloy to complete the transaction and pay closing fees. Signature previously announced that it had raised equity capital for the transaction.

ArcelorMittal Montreal restructures scrap operations

To optimize its scrap recycling operations, ArcelorMittal Montreal disclosed that its existing Contrecoeur scrap recycling and processing center (Contrecoeur-Feruni) became the main platform for scrap shredding, processing and sorting on behalf of its Contrecoeur steelworks. The company has come to an agreement with American Iron & Metal Company Inc. to sell the Ottawa recycling and processing center and the land and buildings of the La Prairie recycling and processing center.

To deploy Contrecoeur-Feruni as the strategic site to support their steel-making operations, its shredder will be restarted and 10 new positions will be created at that location. "After a thor-

ough analysis of the market, we determined that using Contrecoeur-Feruni as our main scrap processing platform was the most efficient use of our assets. We remain committed in the scrap metal business as it enables us to manufacture safe, sustainable steel with recycled materials," explained Louis-Philippe Pélouin, director of communications for ArcelorMittal Montreal. As one of the largest local recyclers of steel in Quebec with more than 850,000 tons reused annually, ArcelorMittal Montreal will continue obtaining its scrap metal from multiple sources.

Operations in La Prairie are expected to permanently cease on July 17, 2015.

Metalico acquisition proposed

Adam Weitsman of Upstate Shredding, LLC, a privately owned scrap metal processor and recycling center, has submitted a written proposal to the chairman, president and chief executive officer of Metalico, Inc. (MEA) to acquire all of the outstanding shares of MEA for \$0.78 per share in cash. Weitsman's proposal represents an approximately 32 percent premium to the average market price of MEA's shares over the past 30 days and an approximately 27 percent premium to the closing price of MEA's shares on February 20, 2015. Weitsman currently owns approximately 11.7 percent of the outstanding common stock of MEA.

Weitsman's proposal is conditioned upon the satisfactory completion of confirmatory due diligence, obtaining all material and necessary consents and approvals, including by MEA's convertible noteholders and bank lenders, waiver of any company anti-takeover provisions, including redemption of the company's poison pill, other customary conditions for a transaction of this type and size and the execution of a definitive agreement. Weitsman is prepared to open up discussions with MEA's convertible noteholders and bank lenders and is highly confident of receiving their consent for this transaction based on Upstate's financial strength and reputation in the industry. Upstate Shredding will pursue replacement financing if necessary.

As a group of soldiers stood in formation at an Army base, the Drill Sergeant said, "All right! All you idiots fall out."

As the rest of the squad wandered away, one soldier remained at attention. The Sergeant walked over until he was eye to eye with him, and then raised a single eyebrow. The soldier smiled and said, "Sure was a lot of 'em, huh, sir?"

Aleris completes sale of recycling and spec alloys businesses

Aleris has completed the sale of its recycling and specification alloys businesses to an affiliate of Signature Group

Holdings for an aggregate of \$500 million in cash and \$25 million in Signature preferred stock.

The sale includes 18 production facilities in North America and 6 in Europe that offer a wide range of metal

recycling services and specification alloy products.

The sale of the recycling and specification alloys businesses represents a step forward in the company's transformation to a pure play rolled products company.

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UPCOMING TOPICS

MAY	Fluid Recovery
JUN	Tarping Systems
JUL	Conveyor Systems
AUG	Scales
SEP	Shredders

Alcoa signs agreement to acquire RTI International Metals

Alcoa has signed a definitive agreement to acquire RTI International Metals, Inc., a global supplier of titanium and specialty metal products and services for the commercial aerospace, defense, energy and medical device markets. Alcoa will purchase RTI in a stock-for-stock transaction with an enterprise value of \$1.5 billion.

RTI will expand Alcoa's range of titanium offerings and add advanced technologies and materials.

Under the terms of the agreement, Alcoa will acquire all outstanding shares of RTI in a stock-for-stock transaction. RTI shareholders will receive 2.8315 Alcoa shares for each RTI share, representing a value of \$41 per RTI share based on Alcoa's closing price on March 6, 2015. The transaction has an enterprise value of \$1.5 billion, including \$330 million of RTI cash on hand and up to \$517 million in RTI's convertible notes.

The acquisition will offer Alcoa financial benefits with realized net synergies of about \$100 million in 2019, primarily driven by procurement and productivity improvements, leveraging Alcoa's global shared services and driving profitable growth. Alcoa expects RTI to

contribute \$1.2 billion in revenues in 2019, up from \$794 million generated in 2014, with 65 percent of revenues supported by contracts over the next five years. RTI is expected to reach profitability of 25 percent EBITDA margin in 2019, up from 14.5 percent in 2014.

The transaction is expected to enable Alcoa to capitalize on strong growth in the commercial aerospace sector. Alcoa projects a compounded annual global aerospace market growth rate of five to six percent through 2019 and sees a current nine year production order book for commercial jets at 2014 delivery rates.

RTI grows Alcoa's pro forma 2014 annual aerospace revenues by 13 percent, up from \$5 billion to \$5.6 billion. RTI is expected to increase Alcoa's 2014 pro forma aerospace revenues to 37 percent of value-add sales, up from 35 percent. Alcoa's aerospace business is the largest contributor to Alcoa's value-add businesses.

Eighty percent of RTI's revenues in 2014 were from the aerospace and defense industries, with the balance mainly split between other markets including energy and medical devices, complementing Alcoa's growth markets.

Atlas Copco discontinues mobile crushing and screening business

Atlas Copco, a provider of sustainable productivity solutions, has decided to discontinue its Powercrusher business, in which it manufactures and sells mobile crushers and screeners for quarrying, civil engineering and recycling.

Atlas Copco will stop the manufacturing in the plant in St. Valentin, Austria, during 2015. Atlas Copco will arrange for customers getting aftermarket service support for the existing fleet also in the future.

World steel production shows a drop in January

World crude steel production for the 65 countries reporting to the World Steel Association was 133 million tons (Mt) in January 2015, a 2.9 percent decrease compared to January 2014.

China's crude steel production for January 2015 was 65.5 Mt, a decrease of 4.7 percent compared to January 2014. Elsewhere in Asia, Japan produced 9.0 Mt of crude steel in January 2015, a decrease of 4.0 percent compared to January 2014.

In the EU, Germany produced 3.7 Mt of crude steel in January 2015, an increase of 0.5 percent compared to January 2014. Italy produced 1.9 Mt of crude steel, down by 11.3 percent on January 2014. France's crude steel production was 1.3 Mt, a decrease of -10.6 percent compared to January 2014. Spain produced 1.3 Mt of crude steel, up by 11.8 percent compared to January 2014.

Turkey's crude steel production for January 2015 was 2.6 Mt, down by 10.4 percent on January 2014.

In January 2015, Russia produced 6.1 Mt of crude steel, up by 6.0 percent over January 2014. Ukraine produced 1.9 Mt of crude steel, down by 25.2 percent compared to the same month 2014.

The U.S. produced 7.4 Mt of crude steel in January 2015, an increase of 0.4 percent compared to January 2014.

Brazil's crude steel production for January 2015 was 3.0 Mt, up by 7.7 percent on January 2014.

The crude steel capacity utilization ratio for the 65 countries in January 2015 was 72.5 percent. It is 4.4 percentage points lower than January 2014. Compared to December 2014, it is 0.4 percentage points lower.

American Specialty Alloys expands

American Specialty Alloys Inc. disclosed plans to develop a \$2.4 billion mill and campus in Central Louisiana to provide strong, lightweight metal for the automotive and aerospace industries. With the project, ASA plans to create 1,450 new permanent jobs, including 850 direct ASA employees and 600 employees of corporate partners that are expected to perform additional manufacturing and logistics functions on the mill campus. Those direct jobs are expected to represent an average annual salary of \$70,500, plus benefits.

ASA plans to construct its manufacturing facility at a 1,200 acre mill complex

owned and formerly operated by International Paper in Pineville, Louisiana. ASA expects to break ground later this year, with a targeted completion date of all facilities in 2020. ASA estimates development of the aluminum mill will generate 2,000 construction jobs.

ASA's plans call for an eventual 3,000 acre campus to accommodate all aspects of the aluminum manufacturing process. The company plans to include a melting and casting mill; hot- and cold-rolling mills for sheet and plate; and annealing, slit and cut-to-length production lines.

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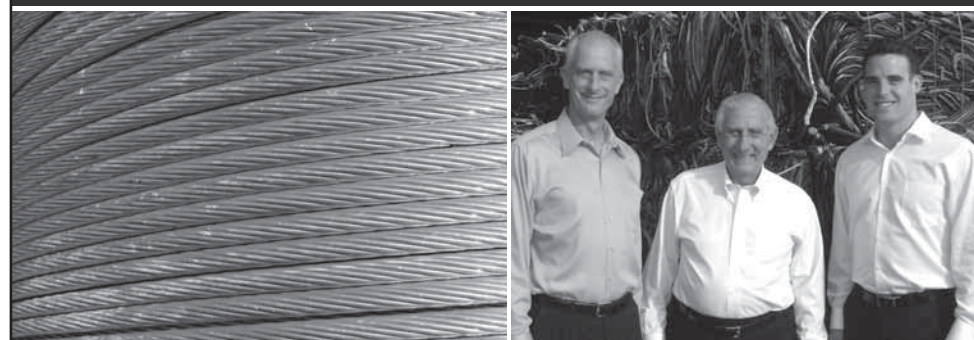
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EQUIPMENT SPOTLIGHT

Magnets

by MARY M. COX

maryc@americanrecycler.com

In the process of recovering metal, the separation of ferrous and nonferrous from other materials can be a challenge. Effective separation can impact factors such as capital expenditures, maintenance costs and ultimately, profit level.

Marshall Gralnick is president of Magnetics Division, Global Equipment Marketing and he cites the most popular recycling magnet type is the self-cleaning overhead magnets. "Since 1988, over 19,000 of our units have been in service world-wide. The magnets are used over the client conveyors, where separation of tramp metal is a necessity to clean up processed materials. Use of the magnets results in threefold

benefits, often realizing quick return on investment in a short period of time. They prevent damage to downstream equipment from large pieces of tramp metal. The magnets improve product by removing metal, which results in higher prices paid for cleaner material and last, they eliminate or reduce belt pickers, saving a considerable amount in labor costs," Gralnick explained.

The firm's overhead magnets, Mastermags, are available with both electric and permanent magnetism and are furnished with a motor to operate the self-cleaning belt component. Unlike many manufacturers, Gralnick said the company's range of magnet products is extensive, taking into consideration factors such as customer processing volumes from 5 to over 1,000 tons per hour, conveyor belt widths from 12 to 120", belt speeds from 10 to over 1,000 feet per minute, material burden depths from 1 to over 30" and size, shape and weight of materials and tramp.



Magnetech

All units are provided fully assembled and ready for installation on a supporting structure (by others) over a conveyor. A quick connection of the motor to the power supply or hydraulics and the magnet is ready to operate without supervision.

Gralnick said few changes have occurred in magnetic equipment over the past 27 years. One event involved premature belt wear, with an initial fix utilizing stainless steel plates, which were added to belts. An innovation in plate construction then led to using



Magnetics Division, Global Equipment Marketing

high-density polyethylene (HDPE) instead of stainless steel, as HDPE performed just as well, was an eighth of the weight, cost much less and did not require a reinforced drive system. "As the industry continues to evolve, so will the need for different types of magnetic separators. The Mastermag eddy current separator (ECS), for instance, was introduced in 1993 for separating aluminum and other nonferrous metals that were previously disposed of in landfills. The magnetic separation industry is healthy and larger than it was 27 years ago, and will continue to grow with innovative equipment to handle the recycling of metals well into the future," Gralnick stated.

Repairing or rewinding existing magnets are an effective way to reduce new equipment expenditures by extending the life of existing equipment. Magnetech Industrial Services repairs and rewinds electro-magnetic magnets and designs and manufactures new magnets. David Koch, sales manager, believes it could be a challenging year for the scrap industry. "Scrap steel prices continue to decline and there continues to be an over-capacity of steel. Low crude oil prices will likely further tighten the market. Magnetech serves as a resource for our customers

through programs designed to increase productivity and equipment uptime while reducing costly downtime. Clients may also extend the useful life of equipment for a fraction of the cost of new by implementing a comprehensive preventative maintenance program. We offer a best-in-class magnet preventative maintenance program, MagneTrac®. This inspection program covers not only testing of the magnets, but every major component of the magnet system – from the power supply to the controller and everything in between. For over 60 years, we've earned the trust and respect of our customers through consistent quality, reliability, timeliness and value for the services we provide," stated Koch.

He noted that when it is time to upgrade magnets, Magnetech offers both fabricated and cast housing, with circular size from 30 to 95" and rectangular magnets up to 85 x 120". The sizes and weights of the magnets needed are determined by the crane capacity and the potential load they will carry. The most popular sizes of scrap magnets they offer are 48", 58" and 67" in the cast magnets and 47", 57" and 67" in the fabricated models. New designs can be engineered to meet customer specifications as required. Magnetech offers a full two-year war-



Moley Magnetics, Inc.

ranty for scrap magnets. They also provide spreader beams meeting ASME BTH1-2008 specifications, as well as controllers and the power sources for the magnets which are generators driven by diesel engines or hydraulics. The company also offers crane-operator magnet awareness training, to teach best practices and safe operation of magnets.

See SPOTLIGHT, Page B7

Manufacturer List

AEC Magnetics
William R. Klaus
800-635-3954
www.aecmagnetics.com

Equipment International
Ivan Jacobs
800-472-0453
www.equipint.com

Eriez Magnetics
John Mackowski
800-345-4946
www.eriez.com

Gensco America, Inc.
Alan Zelunka
800-268-6797
www.genscoequip.com

Magnetech Industrial Services, Inc.
David Koch
800-837-1614
www.magnetech.com

Magnetics Division, Global Equip. Mktg. Inc.
Marshall Gralnick
866-750-8662
www.globalmagnetics.com

Magnetic Products, Inc.
Keith Rhodes
248-887-5600
www.mpimagnet.com

Moley Magnetics, Inc.
Ronald Slaby
844-662-4638
www.moleymagneticsinc.com

Ohio Magnetics, Inc.
Denise Brosch
800-486-6446
www.ohiomagnetics.com

SGM Magnetics Corp.
Robert Melenick
941-342-8800
www.sgmmagnetics.com

Walker Magnetics Group, Inc.
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Technology breathes life into aluminum for lighter vehicles

The U.S. auto industry's shift toward lighter weight vehicles through greater use of aluminum is now in high gear with 2015 pick-up trucks sporting as much as 350 lbs. more of the metal than last year.

Automakers are racing to satisfy new 54.5 mile per gallon corporate average fuel-efficiency (CAFE) targets for 2025. Automobile manufacturers report plans to use more aluminum in doors, hoods and other parts beginning in the next few years, including plans for aluminum-bodied pickups. There has been a global surplus of aluminum in the past nine years, but the shift raises questions about supply. In the near term, demand is projected to grow at an average annual rate of almost 6 percent a year through 2018.

"The more aluminum that is recycled, the better the aluminum supply picture, especially in the near term, while the industry waits for new primary production to come on stream," said Tony Palermo, program manager, metallurgy, for Linde LLC in North America. Linde is a member of The Linde Group, a global industrial gases and engineering company, which offers proprietary oxyfuel heating technology that can help improve the productivity and energy efficiency of aluminum production from recycled feedstock sources that will be increasingly critical to meet burgeoning demand.

Aluminum is about a third lighter than steel, but costs more per pound. Yet a 10 percent reduction in weight means about a 7 percent improvement in fuel economy for the life of the average vehicle. Initial raw material costs are less important on vehicles with higher sticker prices. And because heavier vehicles like

SUVs, pickup trucks and luxury sedans can shed pounds more easily in a material switch, they can be critical to strategies to improve fleet economy.

A new survey of automakers by Ducker Worldwide, commissioned by the Aluminum Transportation Group, projects the use of aluminum for NAFTA-produced vehicles to grow from 350 lbs. per vehicle in model year 2015 to 547 lbs. per vehicle in 2025. That equates to an overall market volume of 6.9 billion lbs. now to 10.8 billion lbs. in 10 years – a 56 percent increase.

Sheet aluminum for auto and truck bodies remains the top growth area for the auto industry, though aluminum castings are finding their way into a growing list of automotive components. Aluminum currently enjoys about a 73 percent share, by weight, of the casting market in 2015 vehicles.

Analysts indicate aluminum-cast parts manufacturers are increasingly engaging in vertical integration to ensure a continuous supply of raw materials. That means construction of smelters to increase secondary production from recycled content, as well as boosting downstream production of finished aluminum based products.

Traditionally, primary and secondary production operations have run side-by-side so that recycled content could be added to the primary operation to increase the cast house output. In 2007, Linde documented a 60 percent increase in aluminum remelting capacity and a 50 percent reduction in fuel consumption in such a 130,000 metric ton per year facility in Norway using Linde Low-Temperature Oxyfuel (LTOF) technology.



The U.S. automotive industry's growing appetite for aluminum adds to demands for new aluminum production and remelting operations. Linde LLC (Murray Hill, NJ) offers proprietary oxyfuel heating technology that can help improve the productivity and energy efficiency of aluminum production from recycled and other solid feedstock sources. PHOTO COURTESY OF LINDE TECHNOLOGY

However, primary aluminum production has been scaled back in the U.S. in recent years, and most secondary aluminum plants have lower production capacities and start at or close to 100 percent solid material in the charge, Palermo said. "With high levels of solid charge materials, you need to either add more energy or improve the energy efficiency of your process – or both to maintain, let alone increase, melting capacity."

Linde LTOF technology addresses this problem by replacing air-fuel combustion with oxyfuel combustion that is characterized by low flame temperatures.

Lower flame temperatures result in more uniform heating and lower thermal NOx generation while continuing to reap the benefits of energy efficiency and increased radiative heat transfer efficiency typically attributed to oxyfuel combustion.

According to the U.S. Environmental Protection Agency (EPA), about 1.7 million tons of aluminum were used to make durable goods such as appliances and automobile parts in 2012. While more than half of aluminum beverage cans are recycled, most back into cans, the EPA does not calculate recycled automotive aluminum in measures of waste generation, recycling or disposal.

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Red Brick Brewing Company adopts Novelis evercan

Novelis and Red Brick Brewing Company, Georgia's oldest operating craft brewery, shared that Red Brick will now offer its beer in aluminum cans made from Novelis' evercan™ – the first certified high-recycled content aluminum can sheet.

Red Brick expanded its beverage packaging options to include evercan aluminum cans for all of its year-round offerings, beginning with Laughing Skull Amber Ale and followed by its Hoplandia India Pale Ale. Red Brick plans to expand its use of the new packaging line, introducing several new styles available exclusively in evercan in the coming year.

The brewery has also partnered with Novelis on a closed-loop recycling system for their used beverage cans. The cans are collected straight from the brewery and returned to a nearby Novelis recycling center where the high-recycled content evercan material is recycled back into new evercan sheet for re-use, again and again.

Aluminum cans are recyclable, durable, easily transportable and recycled more often than any other type of beverage container. Due to the inherent characteristics of aluminum, cans chill more quickly and keep beer fresher longer by eliminating light exposure, improving the overall drinking experience for consumers.

Made with a minimum 90 percent certified recycled aluminum, evercan takes the benefits of aluminum cans to the next level. Recycling aluminum requires 95 percent less energy and produces 95 percent fewer greenhouse gas emissions (GHGs) than manufacturing primary aluminum.

CalRecycle settles with Action Sales & Metal

A Los Angeles area recycling business will pay \$1.8 million in restitution to the state's Beverage Container Recycling Program as part of a settlement agreement resulting from illegal claims for refunds on out-of-state bottles and cans.

As part of the agreement with the Department of Resources Recycling and Recovery (CalRecycle), Action Sales and Metal, Inc. and owner Bruce Falk will be barred from future participation in the program. CalRecycle received \$845,000 of the settlement, when the agreement was signed; the outstanding \$955,000, seized from the business by law enforcement during 2 separate investigations, was released later.

The settlement comes on the heels of an investigation by CalRecycle, the California Department of Justice, and the Los Angeles County Sheriff's Department.

In 2012 the Los Angeles County Sheriff's Department's (LACSD) Metals Theft Unit began investigating a group that was suspected of importing used beverage containers from Arizona and redeeming them at Action Sales and Metal, in the Wilmington area of Los Angeles, for California Redemption Value refunds. During a search of an area storage facility on June 22, 2012, LACSD officers found receipts indicating Action Sales and Metal had paid more than \$700,000 in CRV to the suspects for ineligible material. The group's leader, Marcos Vega, was arrested and ultimately pleaded guilty to illegal refund claims and sentenced to 90 days

custody, 3 years' probation, and \$15,000 in restitution.

While the LACSD was investigating Vega and his connection with Action Sales and Metal, the California Department of Justice was conducting a parallel investigation, based on a referral from CalRecycle, on another group of people suspected of transporting loads of aluminum and plastic beverage containers to Action Sales and Metal for illegal CRV claims.

On June 21, 2012, DOJ agents followed a rental truck carrying several thousand pounds of used beverage containers from Mesa, Arizona to a residence in Wilmington. The next day, agents observed as the load was divided into smaller quantities and taken to Action Sales and Metal, where the material was redeemed for CRV. Four people later were arrested, including recycling center owner Bruce Falk, who was held on \$1 million bail.

Falk was charged with recycling fraud, conspiracy, and grand theft and indicted by a grand jury at the Los Angeles Criminal Court. In May 2014, the jury deadlocked on the charges against Falk but found Action Sales and Metal, Inc. guilty of conspiracy to commit a crime, grand theft of personal property and recycling fraud.

Action Sales and Metal, Falk, and CalRecycle agreed to a settlement requiring Action Sales to pay CalRecycle \$1.8 million in restitution and to be removed from the Beverage Container Recycling Program. As part of the negotiated settlement, the charges against Falk were dismissed.

California's bottle bill provides an incentive for beverage container recycling by establishing a CRV of \$.05 for containers less than 24 ounces and \$.10 for containers 24 ounces or larger.

CalRecycle is undertaking a major and multipronged effort to protect the recycling fund, including new approaches to curb fraud.

Verizon offers up to \$50,000 for copper theft details

Verizon is offering a reward of up to \$50,000 for information leading to the arrest and prosecution of the individuals responsible for the thefts of copper telephone cables in Beaver, Fayette, Lawrence and Washington counties in Pennsylvania. The thefts have put public safety at risk for hundreds of customers and have caused unnecessary telephone service outages.

The most recent theft occurred on January 30 in Wampum, where approximately 200 feet of copper cable was stolen near the intersection of Old Route 18 and Route 18, affecting service for more than 90 Verizon customers.

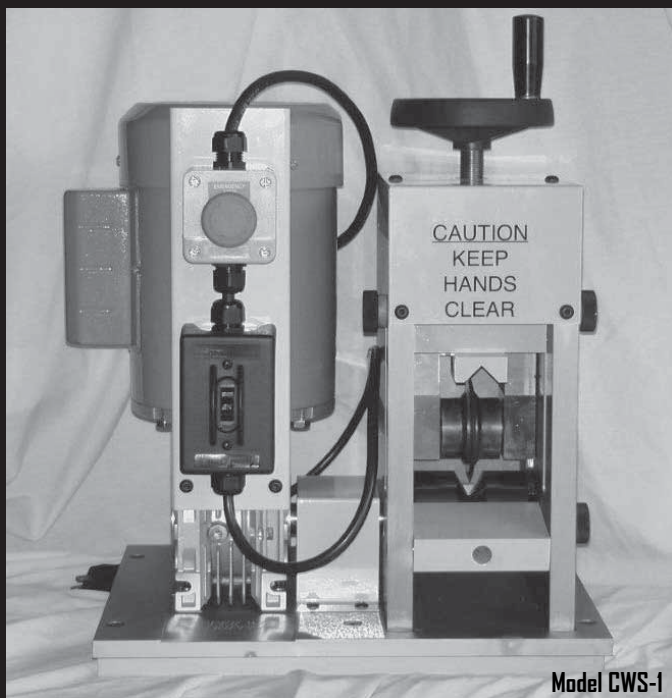
Since the beginning of 2014, nearly 30 incidents have occurred, with more than 16,000 feet of copper cable stolen and more than \$300,000 in damages. The thefts have occurred most frequently in the Brownsville, Burgettstown, New Castle and Wampum areas. As a result of these crimes, hundreds of Verizon local phone customers have unnecessarily experienced telephone service delays – up to several days in some cases – and endured risks to their personal safety.

Verizon is working closely with state and local law enforcement authorities to find and prosecute those responsible. A recently enacted law in Pennsylvania, Act 192, has increased the penalties for the theft of secondary metals like copper, making the theft a third-degree felony when the value of the stolen metal is \$1,000 or more or when the theft is the third or subsequent offense, regardless of the value of the metal.

The company urges anyone with information about these crimes or who observes any suspicious activity to contact Verizon Security at 1-800-997-3287 or local law enforcement authorities.

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Metal recovery

■ Continued from Page B1

able fines, Shattuck said. "With that increased frequently on the rotors, you can take out a lot more of the smaller particles," he explained.

And further improvements from other technologies are on the horizon. Shattuck said electrostatic separators, in particular, hold promise for increasing the amount of saleable metals recoverable from auto shredder fines.

Given the volatile nature of market prices for nonferrous and ferrous metals recovered from shredder residue, shredder operators are understandably cautious about investing in new separation technology. As a result, mostly larger operators are currently implementing the more sophisticated micro-fine recovery systems.

However, Shattuck maintains, most shredders can probably benefit

from improved screening of fines followed by eddy-current separation. "You have to have a certain volume, but you don't have to be a 300 ton-per-hour shredder to do this," he said.

What is clear is that, for a growing number of shredder operators, the confluence of market forces, regulatory requirements and improved technology is making it increasingly questionable for auto shredders to send very small metal fines to the landfill. "For many years, people would throw the three eighths inch and minus out and say it's not worth it," Shattuck said. "Now it is."

This new development is a continuation of a trend that has been going on for years as shredder operators try to get smaller and smaller recoverable bits out of auto shredder residue. "That's what's driven the evolution," Shattuck said. "It's searching to get the last dollar out of the material."

Granutech-Saturn acquires Magnatech hammermill line

Granutech-Saturn Systems, a manufacturer of the Saturn brand of industrial and mobile shredders, has acquired a comprehensive line of industrial hammermills and ringmills, formerly marketed under the Magnatech brand.

"In line with our history of strategic acquisitions, the long established and proven Magnatech line of hammermills provides us with the opportunity to complete our unique line of high-performance shredders and more effectively address a wider variety of material applications, such as nonferrous," said Matthew Morrison, Granutech-Saturn's newly appointed president. With hundreds of machines successfully installed and operating in the U.S. under the Magnatech brand, Granutech-Saturn will continue and enhance the line's legacy. Granutech will be manufacturing the Saturn hammermill line in its Dallas-based vertically integrated 50,000 sq.ft. design, manufacturing and machining facility, and will be selling and supporting it globally through its established

network of direct sales, distributors and agents.

Continuity for the line will further be ensured by Granutech's hire of Michael Graveman as one of its key account executives with regional responsibility for the metal recycling market. Graveman was president and chief sales executive at Magnatech Corporation for over 10 years.

The Saturn hammermill series features heavy-duty plate steel construction, and will initially be available in 36", 48" and 60" diameters, in a total of 5 different size configurations, featuring speeds of 900-1,200 RPM. The Saturn hammermills have several features designed to ensure product longevity, including replaceable wear liners throughout shredding chamber, spider rotors for maximum grate coverage, long-life alloy or manganese hammers and grate materials with optional hard-facing to increase cutting effectiveness, durability and life.

Novelis reports strong results for third quarter of fiscal year 2015

Novelis reported net income grew to \$46 million for the third quarter of fiscal year 2015, up significantly from the \$13 million reported in the third quarter of fiscal year 2014. Excluding certain tax-effected items in both periods, net income is \$60 million for the third quarter of fiscal 2015, more than double the \$23 million reported in the prior year period.

Adjusted EBITDA for the third quarter of fiscal 2015 was \$236 million, a 16 percent increase compared to the \$203 million reported for the prior year. The increase was primarily driven by higher shipments as a result of strategic capacity expansions in Asia and South America, favorable product mix, and cost benefits from using recycled metal inputs.

Third quarter fiscal 2015 revenues climbed 18 percent to \$2.8 billion compared to \$2.4 billion for the third quarter of fiscal 2014. Revenue growth was driven by a 5 percent increase in shipments of rolled aluminum products to 757 kilotonnes for the third quarter of fiscal 2015 compared to 721 kilotonnes in the prior year period. All four operating regions reported an increase in shipments year-over-year. Higher metal prices also contributed to the increase in revenue.

The company reported negative free cash flow of \$12 million in the third quarter, a \$49 million increase.

At the end of the third quarter, the company reported liquidity of \$839 million.

Spotlight

■Continued from Page B4

Moley Magnetics manufactures scrap yard magnets, shears and grapples. At one point, one of their customers was excavating and screening a scrap yard in an effort to recover ferrous and nonferrous material. As the project began, it seemed the customer would certainly make a great financial gain as a result of the effort. In the end, after having worked part time in just one season, 750 tons of ferrous and 250 tons of nonferrous material were recovered. Since that time, Moley has helped many other clients realize the same financial gains in their scrap yards, by recovering lost metal.

Ron Slaby is the sales manager at Moley and he said, "Considering there is literally millions of dollars' worth of ferrous material being driven into the ground by non-concrete scrap yards across the world, we thought there had

to be a solution to the problem via the use of magnets.

"As a result, the Moley Claw Magnet was developed. This quick-connect, durable magnet system is available in hydraulically driven or 24V driven models. The dual-purpose claw magnet has several innovative features including quick installation, no need for an external generator, fixed mounting and the ability to dig with a magnet.

"While other magnets can only drag across the surface of the ground, the wrist action and fixed mounting of our claw magnet allows the operator to scar the ground and unearth and remove embedded iron. No other magnet allows a user to accomplish this feat. If a grapple is used in an effort to recover metal, the grapple adds soil to the shipment, decreasing earnings for the shipper. The first owner of the Moley Claw Magnet earned the cost of the system back in less than six months! We're the company to call if you'd like to increase profits at your dirt-based scrap yard."

Gershow Recycling donates to food pantry in New York



Kevin Gershowitz (left, holding check), president, Gershow Recycling, is joined by students from Phillips Avenue Elementary School in Riverhead in presenting a check in the amount of \$1,000 to Debra Rodgers (second from right), principal, Phillips Avenue Elementary School, for the school's on-site food pantry. Also pictured (l-r): John Dunleavy and Jim Wooten, council members, Town of Riverhead and Al Krupski, Suffolk County Legislator.

Gershow Recycling recently donated \$1,000 to support the Riverhead School District's Phillips Avenue Elementary School students' efforts to establish a food pantry.

The money will go to purchase non-perishable food items and gift cards from local supermarkets for families in need in the Riverhead area of New York. Kevin Gershowitz, president, Gershow Recycling, was joined by students from Phillips Avenue Ele-

mentary School and local elected officials in presenting the check to Debra Rodgers, principal, Phillips Avenue Elementary School.

As part of a kickoff event to the "Great Kindness Challenge," the school held a special ceremony announcing the grand opening of its on-site food pantry. On its first day, the pantry assisted 15 families and 71 people. The pantry is currently open every second and fourth Thursday.



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