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FOCUS: METALS

Metal theft laws burden recyclers

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Wind and solar power in turbulent times

by MIKE BRESLIN

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PHOTO COURTESY OF VESTAS WIND SYSTEMS A/S

Wind power is virtually all utility-scale, while solar is segmented into either utility-scale or distributed generation for individual buildings.

Over the past few decades, electricity generated by solar and wind power has been the fastest growing new sources of energy in the United States and for many other countries around the world.

Despite phenomenal growth, both wind and solar companies have recently been hitting turbulence due to a sluggish economy inhibiting investment, an oversupply of equipment, cheap natural gas prices and uncertainty regarding the renewals of government incentives.

Vestas, the world's largest wind turbine manufacturer, anticipates lower equipment demand due to slow growth in global economies and uncertainty regarding the U.S. federal production tax credit (PTC). In reaction, the company has cut thousands of jobs this year both in Europe and the U.S. "Vestas is adjusting its workforce in the U.S. and Canada to address global restructuring requirements and changing market dynamics due to several factors. In North America, our workforce has decreased from more than 3,400 people in January to about 2,600 today," said Andrew Longeteig, a Vestas communications specialist.

Siemens Energy recently announced the layoff of 615 employees, 37 percent of its U.S. wind equipment manufacturing force. It also cited uncertainty regarding the PTC, a drop in orders due to low natural gas prices and a sluggish economy.

In wind-rich regions, however, wind energy is now one of the most cost-effective sources of new electricity generation, competing with new installations of other energy sources. Overall wind energy costs have also dropped over the past few years as turbine technology has matured, with taller towers and improved turbine efficiency.

But industry experts and the recent Department of Energy Wind Technologies Market Report for 2011 foresees circumstances that threaten to slow new U.S. builds. These include questions about long term government support, a modest growth in demand for electricity, an oversupply of equipment in the supply chain and low natural gas prices.

On the positive side, overall U.S. wind equipment manufacturing has increased dramatically. According to the 2012 U.S. Energy Department report, nearly 70 percent of the equipment installed at U.S. wind farms in

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Hurricane creates flood-damaged vehicles

In the wake of historic damage produced by the Hurricane Sandy, The Automotive Recyclers Association (ARA) is urging Congress to review implementation and enforcement of the National Motor Vehicle Title Information System (NMVTIS) to ensure all flood damaged vehicles are appropriately tracked.

Record rainfall and flooding from the Carolinas up into Canada has resulted in vehicles all over the East Coast being submerged in water. The depth of flooding and length of time cars are left under water has the potential to increase the number of vehicles damaged beyond repair. More than ever, it is essential that NMVTIS be fully implemented and the underlying statute enforced to help prevent the sale of these flood-damaged vehicles to the unknowing consumer.

NMVTIS, a national electronic system that provides consumers with valuable information about a vehicle's condition and history, must be fully enforced so that it can play its crucial role in helping to ensure that these flood-damaged vehicles are not sold to unsuspecting consumers in the used-car market. "According to the Department of Justice (DOJ), after Hurricane Katrina in 2005, law enforcement and insurance crime experts reported truckloads of flooded vehicles being taken out of Louisiana to other states where they were dried out, cleaned and sold to unsuspecting consumers in other states," said Michael E. Wilson, CEO of ARA. "NMVTIS must be fully implemented and utilized to prevent this activity from happening again," added Wilson. ARA believes that such fraudulent and unsafe practices can only be stopped if all states participate fully in NMVTIS and all "individuals" and "entities" that are required to report to the system are held accountable. "Regrettably, DOJ has limited resources to do this.

New Jersey awards $13.1 million in grants for recycling

New Jersey's municipalities will receive $13.1 million in state grants to help implement and enhance local recycling efforts, Department of Environmental Protection (DEP) commissioner Bob Martin said.

The funds are being awarded through the Recycling Enhancement Act (REA), a law that has significantly increased recycling tonnage grants the DEP is able to distribute throughout the state.

The recycling grant program is funded by a $3 per ton surcharge on trash disposed at solid waste facilities. Distribution of grant funds this year is based on the recycling successes local governments demonstrated in 2010. In 2010, New Jersey reached a 40 percent municipal solid waste or MSW recycling rate for the first time since 1998.

Municipal governments, vital to the success of recycling, receive 60 percent of the money the fund generates to help them enhance recycling outreach and compliance efforts. The balance is awarded to county solid waste management and household hazardous waste collection programs, county and state promotional efforts, and recycling research.

Municipal programs receiving the highest grant awards this year are: Newark (Essex County) $299,903; Jersey City (Hudson) $278,748; Paterson (Passaic) $238,701; Clifton (Passaic) $222,103; Toms River (Ocean) $177,138; North Bergen (Hudson) $156,715; South Brunswick (Middlesex) $155,271; Cherry Hill (Camden) $140,641; Monroe (Middlesex) $130,077 and Hamilton (Mercer) $127,490.

"We are striving to achieve 50 percent recycling of municipal solid waste for environmental and economic reasons," said DEP assistant commissioner for environmental management Jane Kozinski.

Several New Jersey municipalities have been leaders in recycling, offering programs that make recycling convenient for residents and get positive results.

South Brunswick, for example, had a municipal solid waste rate of 50 percent in 2010, and a total recycling rate – including larger commercial, demolition, industrial waste – of 71 percent. Its tonnage grant of $155,271 is nearly $110,000 more than the REA tax it paid on disposal. Had the businesses and residents of South Brunswick sent their recyclables to the landfill, the DEP estimates the city would have spent an additional $6.7 million in disposal costs.

In 2010, New Jersey generated 9.8 million tons of municipal solid waste, of which 3.9 million tons were recycled, for a 40 percent Municipal Solid Waste recycling rate, an increase from the 2009 rate of 37.1 percent.

In total, including all forms of waste, New Jersey recycled more than 13.3 million tons of the 22 million tons of solid waste generated in 2010. The overall recycling rate increased slightly from 56.9 in 2009 to 60.5 percent in 2010. This can partially be attributed to a nearly one million ton increase in recycling of various types of scrap metals as prices of those metals rose in 2010. Also, there was a marked increase in recycling of petroleum contaminated soils, plus concrete and asphalt, due to a more active construction sector.

GreenWaste Recovery starts carpet recycling company in Northern California

Launched in 2012, GreenWaste Carpet Recycling has developed ties with many local carpet vendors and established four carpet collection centers in Northern California, including three in San Jose and one in Sacramento. GreenWaste's collection centers accept every type of commercial and residential carpeting, carpet tiles and carpet padding. The company also provides collection trailers at retail carpet stores and carpet installers' warehouses.

GreenWaste Carpet Recycling in Northern California accepts commercial and residential carpeting, carpet tiles and carpet padding.

GreenWaste Carpet Recycling has established an exclusive relationship for Northern California with The Carpet Recyclers, a carpet processor based in La Mirada, California. The Carpet Recyclers operate a carpet processing facility that separates and recovers every component of residential nylon carpet. As the recovered material is used in lieu of virgin material, The Carpet Recyclers, in its second year of operations, has saved over 10 million gallons of oil and has a greenhouse gas reduction equivalence of keeping approximately 45.7 million automobile miles off the road, annually.

The Carpet Recyclers was named the 2012 national "Recycler of the Year" by Carpet America Recovery Effort (CARE), the product stewardship association of the carpet industry. GreenWaste Carpet Recovery is a member of the CARE "Certified Collector" program.

Michael Gross, the director of sustainability for GreenWaste Recovery, stated, "As pioneers in the recycling industry since 1991, we are excited to add carpet recycling as a service to continue to maximize diversion from landfills." Gross added, "We're especially pleased with our partnership with The Carpet Recyclers as the harvested material from the carpet we collect for them is used in plastic auto parts and carpet tile for their customers who are committed to recycle this material again and again for future generations."

Wind and solar

■Continued from Page 1

2011, including turbines and components like towers, blades, gears, and generators is now from domestic manufacturers, doubling from 35 percent in 2005.

In solar, Solyndra and Evergreen Solar are the best known failures because of government loans and media coverage, but dozens of other manufacturers like Beacon Power, Mountain Plaza, Stirling and Spectrawatt went bust resulting in the loss of thousands of jobs. It's no secret that China's cheaper production of PV panels and related equipment was part of the reason why. China was accused of "dumping" government subsidized PV modules at below cost in order to dominate the global market. In retaliation, the U.S. Commerce Department recently imposed tariffs on most solar panels imported from China.

Anyone can generate their own electricity with solar or wind technology and supply power to a home or business. In general, however, surplus electricity generated by solar or wind is sent to a utility.

Wind power is virtually all utility scale, while solar is usually segmented into either utility-scale or distributed generation for individual buildings. Connecting and selling electricity to a utility varies by state and utility company. Many states have "net metering" or other laws and regulations that specify the types of generators that can connect to electric utilities and how the owners are compensated for any excess electricity they produce. In some states, each utility determines if and how they will allow connection and pay for the electricity. In over 30 states, utilities are mandated by law to achieve renewable portfolio standards (RPS), that is provide a certain percentage of their total electric generation from renewable sources by a given date.

But keep solar and wind electric production in perspective. In 2011, the U.S. generated about 4,106 billion kilowatt hours of electricity. About 68 percent of it came from fossil fuels like coal, natural gas, and petroleum. Solar only accounted for 0.04 percent and wind 2.92 percent of 2011 total electric production.

Mike Taylor is the director of research for the Solar Electric Power Association, an educational organization dedicated to helping utilities integrate solar energy. Taylor stated, "Right now supply greatly exceeds demand. Manufacturers are selling panels at very low profit margins, or even losses. That's not a healthy long term market so we are having bankruptcies, consolidations, mergers and buyouts."

"On the other side you have consumer demand increasing because prices are so low. We are going through a consolidation period which I think is natural. Probably in the long run healthy, but there's some short term pain in the shakeout. It's bad for the manufacturers, but it is creating great opportunities for downstream installations. The upside is the lower price of solar panels. Just between Q1 and Q2 of this year, total all-in installation costs in the U.S. decreased 10 to 15 percent in 1 quarter. That's great for consumers," said Taylor.

Globally, solar power has been growing rapidly, averaging a 65 percent annual growth rate for the past 5 years and driving a boom in solar panel manufacturing.

In October, GTM Research published a report that analyzed more than 300 global solar photovoltaic module makers. It found supply to be in excess of demand by an average of 35 gigawatts per year over the next 3 years. The report predicted that 180 existing manufacturers will either go out of business or be acquired by 2015.

Over the past 5 years, the U.S. wind industry added over 35 percent of all new generating capacity, second only to natural gas, and more than nuclear and coal combined. U.S. generation from wind turbines increased 27 percent in 2011 from the prior year, and is up 350 percent since 2006.

The main obstacles to wind and solar power have always been intermittency and storage. When the sun does not shine or the wind does not blow, electricity is not generated. And electricity must be used as it is generated, unless storing is available.

In the U.S., solar electric production thrives best in the sun belt. Due to fierce global competition over the past several years, the cost of solar hardware such as photovoltaic panels and inverters have dropped precipitously and are expected to continue to decline which is good news for buyers.

To understand the current state of wind and solar energy from the electric utility perspective, we spoke with Revis James, director of generation research and development at the Electric Power Research Institute (EPRI). EPRI conducts research and development relating to the generation, delivery and use of electricity for the benefit of the public. Its members represent approximately 90 percent of the electricity generated and delivered in the U.S., and its international participation extends to more than 30 countries.

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Wind and solar

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"First, we still have subsidies in place. These subsidies are typically renewed annually by Congress. That is helping sustain renewable energy, although there has been concern regarding their renewal for future years. There was open discussion last year and the year before that they were not going to be renewed, but they were.

"Second, there are the state RPS. There are over 30 state programs now. Five years ago the number of RPS programs was in the mid-20s. That's helped keep solar and wind going. However, from a renewable perspective, there's a big negative factor – cheap natural gas. Gas has become so inexpensive that even with subsidies for solar and wind the attractiveness of investment in gas-fired generation is very strong. Plus gas has several characteristics that are very desirable with respect to operability and reliability. They are large capacity and are a dispatchable resource that you can start and stop when you want. That's eroded the attractiveness of renewables.

"Third, the integration of renewables has been progressing slowly. Typically, a fraction of the nameplate capacity of a renewable facility is assumed to be available to account for the variability in output. Frequently, daily time periods where there is high renewable output do not coincide with periods of peak electric demand. This effectively reduces the amount of renewable energy that can be used economically. In some instances, it's possible to have a situation in which a power company must take generation from renewable assets to comply with RPS, while other potentially cheaper generation is reduced to low or zero output.

"I think we are going to see continued growth in renewables to some degree to fulfill state renewable portfolio standards that have not yet been met. To comply with those requirements, power companies will have to develop infrastructures like storage or back up generation that will involve additional costs. Given the current situation, I think renewable growth may be limited to what is required via the RPS standards. If gas prices were to rise significantly, or if we had a technology breakthrough in storage, growth in renewable generation capacity may accelerate beyond the minimums required by law, but at the moment I do not see that," James concluded.

Justin Pentelute, chief executive officer of Syndicated Solar, a Colorado based solar engineering, procurement and construction contractor commented on the present state of his industry, "Solar's growth has been marked by innovation, technical prowess and strong environmental support. Linking all of these factors is government engagement through R&D, financial support, tax incentives and regulatory pressure on electric utilities. Combined, these initiatives created a hospitable environment for solar. Savings on the monthly electric bill is the basic attraction in all cases.

"Fine for now, but we have to focus on a major point – continuing national and state institutional support of solar is essential. It needs to be a broad, long-term priority. In a political climate that is partisan and contentious, support for energy innovation sometimes gets lost in the ether. That's a mistake. Bottom line, solar is very viable and is now just needing to overcome the frivolous oppositions and get our facts straight as we plead our case and steer this country to clean jobs and a better energy source," said Pentelute.

Award given to Atlantic Coast Fibers

In recognition of an innovative approach to single stream recycling, the New Jersey Department of Environmental Protection (NJ DEP) has bestowed an award to Atlantic Coast Fibers, LLC.

While there are many recycling facilities in New Jersey and other states that claim the ability to process single stream recyclables, there are relatively few that have invested like Atlantic Coast Fibers has, in the type of equipment necessary to process single stream recyclables efficiently while producing a high yield.

Guy Watson, NJ DEP Recycling bureau chief, presented the award. Accepting the award for Atlantic Coast Fibers were Chris Riviello, Rick Ramsay, Allan Zozzaro and John Stanton. The award was presented at the 32nd Annual Awards Luncheon in Neptune, New Jersey.

"We believe that the lack of recycling facilities capable of processing single stream recyclables may have a negative effect on the growth of single stream recycling," said Riviello. "Ultimately this may have a detrimental effect on the overall amount of recyclables recovered since there is a direct correlation between adaptation of single stream recycling and increased recovery."

Atlantic Coast Fibers, with over 110 employees at its recycling facilities in Passaic, New Jersey and Neptune, New Jersey, has stepped forward by investing over $11 million dollars to build the most modern and efficient single stream recycling facility in New Jersey, and in all probability the East Coast. As an example of their approach, the ballistic separator they designed is the largest one ever installed in the United States, and one of the largest in the world. They have also installed the most advanced optical sorters, OCC screens, paper screens, and drum feeders available.

According to Ramsay their philosophy has not changed for over 80 years. "Many in our industry have questioned why we have made such a large investment in these tough economic times. The reason is simple, we believe in the future of recycling and we felt it is necessary to have infrastructure in place to support and help simplify recycling programs to increase residential participation."

My mother always warned, "You won't amount to anything because you procrastinate."
I replied, "Oh, yeah... Just you wait!"

PLASTICS

Annual PET recycling rate held steady for 2011

The National Association for PET Container Resources (NAPCOR) and The Association of Postconsumer Plastic Recyclers (APR) released the "2011 Report on Postconsumer PET Container Recycling Activity." The report cites a 2011 U.S. recycling rate of 29.3 percent for polyethylene terephthalate (PET) plastic containers. The total volume of postconsumer PET bottles collected was the highest measured to date at 1,604 million lbs.

Reclaimers was also at an all-time high of 667 million lbs.

"We are pleased to see that PET collection increased in 2011, despite some challenges," said Tom Busard, NAPCOR chairman and vice president of global procurement and material systems for Plastipak Packaging, Inc. "United States reclaimers purchased a record 916 million lbs. of postconsumer bottles in 2011, and 1.04 billion lbs. of recycled PET went back into new product applications. These increases happened despite the effects of PET bottle lightweighting, which really played out this year to a greater extent than we've seen to date. The incidence of lighter bottles in the stream reflects manufacturers' commitment to improving PET's environmental footprint, but means additional handling for PET recyclers in the short term in order to produce the same weights."

The end-use product categories comprised in 2011's record use of 1.04 billion lbs. of recycled PET are detailed in the report and reflect increases over 2010 in the Sheet & Film, Food & Beverage Bottles, Strapping and Fiber end-use categories. After two years of project work by NAPCOR, the APR, and other supporters acknowledged in the report, a recycling total for PET thermoformed packaging – 45 million lbs. – is provided for the first time in the addendum.

NextLife opens new headquarters

NextLife Asset Recovery Services will open a new headquarters and processing facility in Rogers, Arkansas. The company plans to invest more than $10 million and hire 350 at the new processing facility.

NextLife's Rogers location will recycle post-consumer plastics into a resin that can be used to manufacture new consumer plastic products. The company has already secured agreements for supply post-consumer plastic waste.

NextLife's facility in Rogers will collect and sort the post-consumer plastic waste in what will be the first of three phases for NextLife's growth plans in Arkansas. The second phase will establish production lines to turn the plastic waste into sustainable resin, and the third phase will allow the company to establish joint ventures and manufacturing facilities with plastic goods manufacturers.

CONSTRUCTION & DEMOLITION

CMRA white paper studies recycled content in highways

The utilization of Recycled Concrete Aggregate (RCA) as an unbound base product in the highway environment is extensively examined in a new white paper available from the Construction Materials Recycling Association (CMRA). The purpose of the white paper was to provide the information needed to show governmental highway engineers at all levels an objective view of using RCA as a base product in roadwork.

The CMRA estimates that about 140 million tons of concrete are recycled annually in the United States, and the most common end market is as a base product for roads. "Recycled Concrete Aggregate: A Sustainable Choice for Unbound Base" looks at all aspects of RCA's use in this market, from incoming material, processing, specifications, pros and cons and cost advantages. It also includes the results of a survey to state highway departments of transportation that yielded 38 responses on how they are using the material.

According to the CMRA white paper, "Recycled Concrete Aggregate is currently being used to some degree in the vast majority of the state Departments of Transportation across the country. RCA has proven to be both a viable and valuable alternative to the use of virgin aggregates for base courses. The performance is equal to, if not better than, virgin aggregate base course when used appropriately. Significant research has been conducted and published for over 10 years. An AASHTO (American Association of State Highway and Transportation Officials) specification has been in place since 2002. Potential concerns, including precipitates, leachates, durability testing and the existence of asphalt pavement and brick have been addressed."

The paper was organized and written by Cecil Jones, president, Diversified Engineering Services. Jones is the retired chief materials engineer for North Carolina's DOT, and past head of AASHTO's Task Force on Recycled Materials. As such, he is familiar with the barriers that RCA has faced in the past and what questions DOT personnel want answered before they will approve a recycled product for use in roads.

"Recycled Concrete Aggregate; A Sustainable Choice for Unbound Base" is available for $500 from the CMRA, but is free to CMRA members and for highway engineers at any level of department of transportation. Contact the CMRA at 630-585-7530; info@cdrecycling.org.

I'm like old wine. They don't bring me out very often, but I'm well preserved.
—Rose Kennedy

ALTERNATIVE ENERGY

Clean wind energy grows in Canada

Wind energy's contribution of clean power to the country's electricity supply is expected to grow by nearly 20 percent by the end of 2012 according to the Canadian Wind Energy Association (CanWEA).

CanWEA expects new wind energy projects to add almost 1,200 MW of clean energy by the close of 2012. This will mark the second consecutive year with well over 1,000 MW of newly installed capacity, maintaining Canada as one of the world's leading wind energy markets.

Every 1,000 MW of new wind energy drives $2.5 billion in investments, creates 10,500 person-years of employment, and provides enough clean power for over 300,000 Canadian homes. Over 60 percent of Canada's new wind energy capacity in 2012 will be installed in Quebec.

Canada will have over 6,400 MW of installed wind energy capacity by the end of 2012. Ontario will remain the provincial leader with over 2,000 MW; Quebec and Alberta will follow with approximately 1,600 MW and 1,100 MW respectively.

Saskatchewan, Nova Scotia and Prince Edward Island are all moving forward with new requests for wind energy in 2012 and projects are currently under construction in several provinces, particularly Quebec and Ontario. CanWEA is also confident that Quebec will move ahead with a fourth call for tenders this year, leading CanWEA to project a record year for wind energy development in 2013.

Electricity generation from biomass continues to boom worldwide

In the next 5 years, 820 biomass power plants with a capacity of 12.5 GW will be constructed throughout the world – more than ever before. Europe will remain the largest market but China, India and the U.S. will experience the largest growth.

The energetic use of solid biomass such as wood will increase to a larger extent than ever before in the years to come. At present, more than 2,200 biomass power plants are operational throughout the world. They have a total capacity of about 32,000 megawatts (MW). In Europe alone, there are more than 1,100 active biomass power plants. Another 130 coal power plants co-incinerate biomass.

Over the past 5 years, about 150 biomass power plants went operational per year worldwide, each with an average capacity of 11 MW, which is more than ever before. However, this growth will once more accelerate in the future: by 2016, 165 plants with an average capacity of more than 15 MW will be commissioned per year. Investments in new construction and maintenance of biomass power plants will increase from 10 to more than 14 billion euros annually.

The trend for developing biomass follows the trend for developing renewable energies. More and more countries introduce feed-in tariffs for electricity from biomass. The increasing prices for fossil energy sources, the fact that many countries aim at increasing the use of domestic raw materials and the introduction of CO2 certificates for fossil fuels in Europe have over the past years improved the competitiveness of electricity generation from biomass.

In the years to come, Europe will remain the largest market for biomass power plants. More than 300 plants with a capacity of over 4,500 MW will be constructed there. In the past, only a few countries dominated the market. By now, the number of important national markets has increased. Great Britain is the largest national market where about 1,400 MW of additional capacity will be commissioned by 2016. The markets in France and Poland will also accelerate significantly. Traditionally important markets such as Finland and Sweden will remain interesting mainly due to replacement and modernization measures. Only the German market, which was one of the largest in the past years, stagnates. After 12 years of intensive subsidization, most favorable locations for new plants are being used. At the same time, the boom of modernizing plants has not yet begun.

Outside of Europe, most biomass power plants are located in Brazil, China and India. China and India subsidize biomass electricity; in Brazil, about 430 ethanol and sugar factories use their own bagasse to generate electricity. There are only few, but very large, biomass power plants in the USA and Canada. They oftentimes depend on subsidies from the respective federal state or province; however, the structure of these subsidies remains fragmented in regional terms. The booming gas segment in the U.S. furthermore aggravates the conditions for biomass power plants. After few large-scale projects are realized, prospects for the biomass industry will be uncertain.

In terms of number of plants and capacities, Asia will supersede Europe as the leading market by 2016. Nevertheless, investments in Europe will continue to be the highest due to stricter standards.

The recently published third edition of the market study "Biomass to Energy" is the world's largest data collection on electricity generation from biomass. Find more information at: www.ecoprog.com

As a recognized industry expert, the Cologne-based consultancy ecoprog accompanies clients from Germany and abroad in working on implementation-oriented management issues with a political, technological or economic background in the segments of environmental and energy technology. The company focuses on strategy advisory, market and competition analyses as well as multi-client studies.

AUTOMOTIVE

GM strives for zero waste

General Motors (GM) has offered a blueprint that summarizes its process for making its plants and facilities landfill-free, meaning all production waste generated is reused, recycled or used to create energy. The document is intended to help companies of all sizes and industries reduce waste and create efficiencies.

Industrial facilities in the United States generate and manage 7.6 billion tons of industrial waste in land disposal units annually, according the U.S. Environmental Protection Agency. General Motors, however, recycles 90 percent of its worldwide manufacturing waste and has 102 landfill-free facilities toward a goal of 125 globally by 2020.

GM strives to recover all resources to their highest value by managing byproducts in one electronic tracking system. All byproducts are regarded as useful and marketable, and suppliers play integral roles in making that happen.

GM counts about $1 billion in revenue annually from byproduct recycling and reuse.

"A landfill-free program requires investment," said Mike Robinson, GM vice president of sustainability and global regulatory affairs. "It's important to be patient as those upfront costs decrease in time, and recycling revenues will help offset them. This program allows GM to reduce its waste footprint while creating greater environmental awareness among employees and communities where we make and sell cars and trucks."

When GM started its landfill-free program in the United States, it invested about $10 for every ton of waste reduced. Over time, it has reduced program costs 92 percent and total waste by 62 percent. GM encourages its workforce to find new ways to operate leaner and more efficiently.

Austin body shop goes green

With over 22 years of providing Austin, Texas and the surrounding areas with auto body repair and painting service, Whitakers Auto Body & Paint has committed to converting to PPG Industries' Envirobase Waterborne Paint to benefit the environment.

"We are converting from petroleum based paint to environment-friendly water based paint. This will greatly reduce VOC emissions," said Larry Whitaker, president of Whitakers.

Long before most of North America's body shops had even given thought to waterborne finishes, PPG was already immersed in it. For the past two decades, PPG has been developing and refining its technological expertise in both North America and Europe.

That role was reinforced when they introduced the world's first waterborne refinish system in 1992, an innovation that received the United Kingdom's Queens Award for Technology in 1995.

PAPER

September paper reports

The American Forest & Paper Association released its September 2012 U.S. paper reports.

Containerboard

Containerboard production fell 4.8 percent over August 2012 and 2.2 percent compared to same month last year. The month-over-month average daily production decreased 1.6 percent. The containerboard operating rate for September 2012 lost 1.5 points over August 2012, decreasing from 97.5 percent to 96 percent.

Boxboard

Total boxboard production decreased by 2.1 percent compared to September 2011 and decreased 6.9 percent from August. Unbleached Kraft Boxboard production increased over the same month last year but decreased compared to August. Total Solid Bleached Boxboard and Liner production decreased compared to September 2011 and decreased compared to last month. The production of Recycled Boxboard increased compared to September 2011 but decreased when compared to last month.

Recovered Fiber

Total U.S. industry consumption of recovered paper in September was 2.36 million tons, 8 percent lower than August 2012. Year-to-date total consumption in 2012 is 4 percent lower than during the same period last year.

U.S. exports of recovered paper, as reported by the U.S. Census Bureau, decreased 4 percent in August compared to July, led by a drop in Mixed Papers exports which fell after a very strong July. Year-to-date exports of recovered paper in 2012 are 6.5 percent lower than during the same period in 2011.

Printing-writing paper

According to the report, total printing-writing paper shipments decreased seven percent in September compared to September 2011. All four major printing-writing grades posted decreases compared to the previous period. The decrease in shipments followed the drop in U.S. purchases of printing-writing papers by 10 percent compared to September 2011.

Additional key findings include:

•August U.S. imports of coated free sheet (CFS) papers decreased year-over-year for the tenth time in the past 12 months.

•August U.S. exports of uncoated free sheet (UFS) papers increased year-over-year by more than 20 percent – the third 20+ percent increase in 2012.

•September shipments of coated mechanical (CM) papers reach second highest monthly total for the year but are still down year-over-year.

Kraft paper

Total Kraft paper shipments were approximately 130,100 tons, a decrease of 2.2 percent compared to the prior month. Total inventory was approximately 77,900 tons in September. Unbleached Kraft shipments decreased, but bleached Kraft shipments increased year over year for the eighth month in 2012.

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Here is a 2012 (demo model) E-Z Log Baler with larger crushing chamber. Automated crushing chamber. Bales approx. 70 tons per day! Powered with a John Deere 4045T Diesel motor, continuous rotation grapple. Air conditioned cab, new joy stick controls, dual pump drives, 10" plunger cylinders, more comfortable seat for operator. Cycles in under 2 minutes! Priced to move at $205,000.00

E-Z A+ Car Crusher

E-Z A+ car crusher with John Deere 6068T. Remote automation, hydraulic outriggers, air compressor. Ready to go to work for the private yard or custom crushing! $100,000.00

This is one of the two E-Z Log Balers we have in stock! Powered with a John Deere 4045T and has 8 inch bore plunger cylinders! Continuous rotation grapple, hydraulic out riggers and air conditioned cab. 45 tons per day for only $105,000.00

2008 B Model Crusher

Loaded!! Automation, John Deere 4045T hydraulic outriggers and air compressor! Loaded for $100,000.00

1989 Big Mac Car Crusher

Diesel powered. $50,000.00 takes it home today!

1990 B Model Crusher

This 1990 B crusher is clean as a whistle! Gas powered to burn that extra gas you get in the cars!

Great introductory crusher for just $50,000.00

Here is an oldie but a goody! Was crushing cars the day we took it in trade!

Perfect for the first time crusher owner!

Wont last long at this price!! $40,000.00

HUGE SAVINGS IF YOU PURCHASE THIS YEAR!

DADE Capital Corp.

DADE Capital Corp.
800-823-9688
DADECapital.com

TAX SAVINGS SIGNIFICANTLY REDUCE YOUR COST OF EQUIPMENT OWNERSHIP

TAX INCENTIVES TO EXPIRE 12/31/2012

5 YEAR ASSET LIFE – TAX SAVINGS CALCULATION

EXAMPLE

DEDUCTIONS:	NEW:	USED:
(A) Equipment Cost	$400,000.	$400,000.
(B) Section 179 Deductions (up to $139,000.)	-$139,000.	-$139,000.
(C) Equipment Cost after Tax Deduction	$261,000.	$261,000.
(D) Bonus Depreciation (New Equipment Only) x 50%	$130,500.	N/A
(E) First Year Depreciation x 20%	$26,100.	$52,200.
(F) Total Deductions and Depreciation	$295,600.	$199,200.
TAX SAVINGS (35% Tax Bracket)		
(G) Total Deductions and Depreciation x 35%	-$103,460.	-$66,920.
ACTUAL ADJUSTED EQUIPMENT COST:		
(H) Equipment Cost (-) Tax Savings	$296,540.	$333,080.

Contact your accountant today to find out why you should be making an equipment purchase before the end of 2012.
DADE Capital has many financing options to help you make this tax savings a reality. Call us today, we can help!

2006 AL-JON 400 XL METAL BALER
7,600 hours. Good condition and immediately available. $225,000

2008 KOMATSU PC300LC-8 WITH NEW SHEAR
Equipped with a NEW LaBounty MSD 2500R shear. Komatsu. 4,600 hours, has new paint and is double plumbed for shear. LaBounty is NEW with factory warranty. Priced plus freight. $350,000

1997 DAEWOO 280LC w/BUCKET
5,800 hours. Immediately available. $55,500

1994 MET PRO 74 x 104 AUTO SHREDDER
Complete 4,000 h.p. ferrous shredding system. $1,450,000

WE FINANCE WHAT WE SELL

SEE IT HERE, FINANCE IT HERE.

GREAT RATES!

800-823-9688

1995 COLUMBUS MCKINNON TIRE SHREDDER
Shredder with 2" knives. Infeed conveyor, cross belt magnet, new blades and wear plates, hard-faced rotors, soft start, electrical panel and out feed conveyor. That's right, a complete system for only $165,000

WILLIAMS 760 3000 HP METAL SHREDDER
60" wide feed, top feed/bottom discharge with spare motor. You can't buy the motors for this price! $395,000

2000 JOHN DEERE WITH GRAPPLE
Equipped with a scrap grapple and a new Gensco 10Kw gen-set. 6,000 hours and in good working condition. $65,000

2008 BARCLAY PRIMARY SHREDDER
With infeed conveyor. 4.9' system in very good condition. $169,000

METALS

Olson Wire settles waste violations

Olson Wire Products Co. has agreed to pay a $80,000 civil penalty to settle alleged violations of hazardous waste regulations at its manufacturing facility located in Baltimore, Maryland.

The EPA cited Olson Wire, which manufactures steel wire shelving and fabricated wire products, for violating the Resource Conservation and Recovery Act (RCRA), the federal law governing the treatment, storage and disposal of hazardous waste.

Following an inspection, EPA cited the company for violations of federally authorized state regulations involving hazardous waste stored at the facility.

The alleged violations included the failure to make required hazardous waste determinations, storage of hazardous waste for periods greater than 90 days without a permit, failure to properly label and keep containers of hazardous waste closed during storage, offering hazardous waste for off-site transport and disposal without preparing approved manifest forms and through parties not authorized to transport or receive hazardous waste, failure to maintain training records of personnel having hazardous waste management responsibilities and failing to prepare and submit a biennial report concerning hazardous waste activities at the facility in calendar year 2009.

Nucor reports results for third quarter and first nine months

In the first nine months of 2012, Nucor reported consolidated net earnings of $367.7 million, or $1.15 per diluted share, compared with consolidated net earnings of $641.1 million, or $2.02 per diluted share, in the first nine months of last year. The year-to-date of impact of Skyline inventory related purchase accounting adjustments was $36.8 million ($.08 per diluted share).

Nucor recorded a credit to value inventories using the last-in, first-out (LIFO) method of accounting of $84.0 million ($0.16 per diluted share) in the third quarter of 2012, compared with a credit of $14.5 million ($0.03 per diluted share) in the second quarter of 2012 and a charge of $28.0 million ($0.05 per diluted share) in the third quarter of 2011. The LIFO credit in the first 9 months of 2012 was $84.0 million ($0.16 per diluted share) compared with a charge of $91.0 million ($0.17 per diluted share) in the first nine months of 2011.

Nucor's consolidated net sales decreased 6 percent to $4.80 billion in the third quarter of 2012 compared with $5.10 billion in the second quarter of 2012 and decreased 9 percent compared with $5.25 billion in the third quarter of 2011. Average sales price per ton decreased three percent from the second quarter of 2012 and decreased eight percent from the third quarter of 2011. Total tons shipped to outside customers were 5,768,000 tons in the third quarter of 2012, a 3 percent decrease from the second quarter of 2012 and a slight decrease from the third quarter of 2011. Total third quarter steel mill shipments were down three percent from the second quarter of 2012 and decreased two percent from the third quarter of 2011. Third quarter downstream steel products shipments to outside customers increased one percent over the second quarter of 2012 and four percent over the third quarter of 2011.

In the first 9 months of 2012, Nucor's consolidated net sales decreased 1 percent to $14.98 billion, compared with $15.19 billion in last year's first 9 months. Total tons shipped to outside customers increased 1 percent over the first nine months of 2011, while average sales price per ton decreased 3 percent.

The average scrap and scrap substitute cost per ton used in the third quarter of 2012 was $380, a decrease of 11 percent from $427 in the second quarter of 2012 and a decrease of 15 percent from $449 in the third quarter of 2011. The average scrap and scrap substitute cost per ton used in the first nine months of 2012 was $418, a decrease of 5 percent from $439 in the first nine months of 2011.

In September, Nucor's board of directors declared a cash dividend of $0.365 per share payable on November 9, 2012 to stockholders of record on September 28, 2012. This dividend is Nucor's 158th consecutive quarterly cash dividend.

Maine site added to superfund list

The U.S. Environmental Protection Agency (EPA) has finalized the addition of the Leeds Metal Site in Leeds, Maine to the Superfund National Priorities List (NPL). The Leeds Metal Site is one of 12 added to the NPL in September. The site has received letters of concurrence from state officials supporting the NPL listing.

The NPL is a national list of sites that require further investigation and potential cleanup in order to protect human health and the environment in the long term.

Operations at the Leeds Metal site date back to the 1800s, however little is known about specific activities prior to 1969. Between 1969 and 1984 scrap metal recovery processes took place, performed by a series of operators, after which the site was inactive and appears to have remained abandoned. Gasoline and other fluids were dumped directly onto the ground and as many as 100 drums were staged along the tree line in the southern part of the site.

The Maine Department of Environmental Protection (MDEP) has removed drummed waste and an abandoned transformer; sampled soil; sampled nearby private drinking water wells to identify possible off-site migration of wastes; overseen investigations to assess the site and groundwater in the area; and installed carbon filtration devices at five homes with volatile organic compound contamination exceeding state health benchmarks.

METALS

September steel imports decline by nine percent

U.S. IMPORTS OF FINISHED STEEL MILL PRODUCTS
BY COUNTRY OF ORIGIN (Thousands of Net Tons)

	SEP 2012	AUG 2012	2012 Annual (est)	2011 Annual	% Change 2012 Annual vs. 2011
SOUTH KOREA	295	250	3,711	2,837	30.8%
JAPAN	161	156	2,019	1,477	36.7%
CHINA	92	163	1,576	1,231	28.0%
TURKEY	40	131	1,483	733	102.2%
GERMANY	101	93	1,227	954	28.6%
TAIWAN	81	41	876	647	35.3%
INDIA	38	57	755	717	5.3%
All Others	1,077	1,158	14,791	13,238	11.7%
TOTAL	1,886	2,049	26,438	21,835	21.1%

Based on preliminary Census Bureau data, the American Iron and Steel Institute (AISI) reported that the U.S. imported a total of 2,440,000 net tons (NT) of steel in September, including 1,886,000 NT of finished steel (down 9 percent and 8 percent, respectively, from August final data). Year-to-date (YTD) finished steel imports, however, are up 18 percent vs. the same period in 2011. Finished steel import market share in September was an estimated 22 percent and is estimated at 24 percent YTD.

Key finished steel products with a significant import increase in September 2012 compared to August are standard rails (up 256 percent), sheets and strip all other metallic coatings (up 63 percent), standard pipe (up 16 percent) and wire rods (up 12 percent). Major products with significant YTD import increases vs. the same period last year include reinforcing bar (up 48 percent), line pipe (up 40 percent), sheets & strip galvanized hot dipped (up 33 percent), plates – cut lengths (up 32 percent) and oil country goods (up 31 percent).

In September, the largest volumes of finished steel imports from offshore were all from Asia and Europe. They were South Korea (295,000 NT, up 18 percent), Japan (161,000 NT, up 3 percent), Germany (101,000 NT, up 8 percent), China (92,000 NT, down 44 percent) and Taiwan (81,000 NT, up 100 percent).

For the first 9 months of 2012, the largest offshore suppliers were South Korea (2,783,000 NT, up 25 percent), Japan (1,515,000 NT, up 36 percent), China (1,182,000 NT, up 25 percent), Turkey (1,112,000 NT, up 96 percent) and Germany (920,000 NT, up 28 percent).

See additional METALS news in the Focus Section, Page B1

AR Scrap Metals MarketWatch

Commodity		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
#1 Bushelings	per gross ton	$297.00	$336.00	$366.00	$375.00	$370.00
#1 Bundles	per gross ton	318.00	330.00	365.00	380.00	360.00
Plate and Structural	per gross ton	315.00	334.00	360.00	400.00	380.00
#1 & 2 Mixed Steel	per gross ton	274.00	348.00	360.00	380.00	362.00
Shredder Bundles (tin)	per gross ton	288.00	300.00	330.00	348.00	350.00
Crushed Auto Bodies	per gross ton	288.00	300.00	330.00	348.00	350.00
Steel Turnings	per gross ton	201.00	207.00	228.00	234.00	235.00
#1 Copper	per pound	2.80	3.00	3.45	3.40	3.46
#2 Copper	per pound	2.70	2.91	3.30	3.29	3.27
Aluminum Cans	per pound	.53	.56	.69	.70	.70
Auto Radiators	per pound	1.80	1.90	2.10	2.19	2.10
Aluminum Core Radiators	per pound	.68	.65	.76	.76	.75
Heater Cores	per pound	1.40	1.50	1.70	1.75	1.76
Stainless Steel	per pound	.49	.61	.70	.70	.72

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

DISCLAIMER: American Recycler (AR) collects pricing and other information from experienced buyers, sellers and facilitators of scrap metal transactions throughout the industry. All figures are believed to be reliable and represent approximate pricing based on information obtained by AR (if applicable) prior to publication. Factors such as grades, quality, volumes and other considerations will invariably affect actual transaction prices. Figures shown may not be consistent with pricing for commodities associated with a futures market. While the objective is to provide credible information, there is always a chance for human error or unforeseen circumstances leading to error or omission. As such, AR is not responsible for the accuracy or completeness of the information provided, or for outcomes arising from use of this information. American Recycler disclaims any liability to any person or entity for loss or damage resulting from errors or omissions, including those resulting from negligence of AR, its employees, agents or other representatives.

WASTE

U.S. Navy settles waste violations

The U.S. Navy has agreed to pay a $38,500 penalty to settle alleged hazardous waste violations at the Naval Air Station Patuxent River, located at 22268 Cedar Point Road in Patuxent River, Maryland.

This settlement resolves alleged violations alleged by Environmental Protection Agency (EPA) of the Resource Conservation and Recovery Act, the federal law governing the treatment, storage and disposal of hazardous waste.

Following an EPA inspection, the U.S. Navy was cited for allegedly failing to determine whether waste was hazardous, failing to maintain aisle space to allow for the movement of personnel and fire protection equipment, failing to conduct weekly inspections of waste containers for leaks and deterioration, failing to mark each container with a date and whether it contained hazardous waste, failing to keep hazardous waste containers closed during storage and failing to properly maintain leak detection and spill prevention equipment on underground storage tanks.

The violations were found in 11 buildings including the public works transportation, the hazmat warehouse, the Webster field annex, hangar, fleet readiness center and the materials lab.

The $38,500 settlement penalty reflects the Navy's cooperation in resolving this matter. The Navy has certified its compliance with applicable

Massachusetts city extends partnership with Covanta

Covanta SEMASS, L.P., a subsidiary of Covanta Energy Corporation, a sustainable waste management and renewable energy company, revealed a new agreement with the city of Quincy, Massachusetts for sustainable waste disposal at the Covanta SEMASS energy-from-waste facility in Rochester. Quincy generates approximately 35,000 tons of municipal solid waste annually.

The agreement will provide Quincy with one-stop shopping for sustainable waste disposal and the potential for recycling services after the city's current recycling contract expires in 2013. Cities and towns across New England have responded enthusiastically to Covanta's bundled service offering because they are able to save money on disposal costs and get credit back in the form of a rebate for recycling. The new agreement with Quincy is slated to begin in July 2013 with the contract running for ten years with mutual extension options after the initial term.

Quincy will continue to utilize the municipal solid waste transfer station in Braintree, Massachusetts which Covanta operates. The transfer station is currently undergoing construction for improvements including state-of-the-art technology to control odor from the facility and reduce noise from operations. The Braintree Transfer Station is a critical component of managing municipal solid waste from parts of Boston and a number of South Shore and local communities including Braintree, Quincy, Weymouth, Randolph and Waltham.

Solid waste collected at the facility is transferred to the Covanta SEMASS Energy-from-Waste facility where it is combusted to generate clean, renewable electricity for approximately 75,000 southeastern Massachusetts homes.

The Covanta SEMASS energy-from-waste facility, where waste from the Braintree Transfer Station is disposed, provides southeastern Massachusetts communities with an environmentally superior alternative to landfilling their municipal solid waste. Operating since 1988, the facility processes approximately 1 million tons of municipal solid waste and recovers nearly 50,000 tons of recyclable metals annually.

Recovering energy from waste after efforts to reduce, reuse and recycle is a critical component of managing residual waste. For every ton of municipal solid waste processed at energy-from-waste facilities like Covanta SEMASS, greenhouse gas emissions are reduced by the equivalent of approximately one ton less of carbon dioxide emissions. This is possible due to the avoidance of methane from landfills, the offset of greenhouse gases from fossil fuel electrical production and the recovery of metals for recycling.

Ohio EPA and local authorities convict dumpers

The Solid Waste Authority of Central Ohio (SWACO) and Ohio Environmental Protection Authority (Ohio EPA) jointly announced that a case involving illegal dumping in the Clintonville area Walhalla Ravine four years ago has been solved. Jeffery A. Garnder Jr. and Andrew Eckstein have pled guilty in Franklin County Municipal Court to one count each of water pollution for dumping paint and other materials in Walhalla Creek.

The two men were sentenced by Judge Harland Hale and ordered to pay $8,060 in restitution to Ohio EPA for removing the dumped items and cleaning up the paint contaminated creek, $787 in court fines and costs and to serve 100 hours each of community service removing litter from rivers and roadways.

Ohio EPA found 56 5-gallon buckets, containing mostly paint materials, which investigators determined had exploded in the ravine after being thrown from a moving vehicle for at least a mile along the creek. Ohio EPA oversaw the clean up, which involved removing the buckets, flushing the creek with clean water and vacuuming the paint contaminated water into tanker trucks for proper disposal.

Ohio EPA tracked the paint to the store where it had been purchased and to the companies that had purchased it. Numerous interviews with employees, property owners, tenants and family members led to the suspects.

WASTE

Waste industry association releases revised standard

The Waste Equipment Technology Association (WASTEC) – the secretariat for the American National Standard Institute (ANSI) for all industry standards related to equipment technology and operations for wastes and recyclable management (ANSI Z245) – released of the revised standard for safety requirements for mobile equipment used in the collection, transportation and management of waste, recyclable, and repurposed materials.

The ANSI Z245 full committee focused on making manufacturer and user safety a priority. Many important changes and requirements have been added since the 2008 version of this standard, including sections that address ladders, fall protection and battery disconnects.

"This standard provides the best practice for users and operators of equipment used for collecting and managing waste and recyclable materials." said WASTEC executive vice president Janice Comer Bradley.

Robert Mecchi, the Chairman of WASTEC's Board of Governors explained the importance of this updated standard, "The WASTEC ANSI Z245 standards program is vital because it advances safety for workers in the solid waste and recycling services industry. It also has helped advance uniformity in things like trucks and containers, allowing producers of such equipment to expand their potential customer base. This particular revised standard is wide sweeping and will help hundreds of thousands hardworking men and women get home safely each night time for dinner with their families."

This revised standard applies to the construction, reconstruction, modification, care, maintenance, operation, and use of mobile waste or recyclable materials collecting, transportation and compacting equipment. The standard identifies requirements for refuse collecting and compacting equipment mounted on a refuse truck chassis, including rear-loading, front-loading, and side-loading compacting equipment; tilt- frame and hoist-type equipment; grapple loaders; satellite vehicles; waste transfer vehicles; recycling collection vehicles; and mechanized container collecting and lifting equipment.

WM's third quarter hurt by lower recycled commodity prices

Company sees improving trends into 2013

Waste Management, Inc. announced financial results for its quarter ended September 30, 2012. Revenues for the third quarter of 2012 were $3.46 billion compared with $3.52 billion for the same 2011 period.

The company was negatively impacted by a decline in recycling commodity prices, which decreased revenues by $176 million. Net income for the quarter was $214 million, or $0.46 per diluted share, compared with $272 million, or $0.58 per diluted share, for the third quarter of 2011.

Net income would have been $285 million, or $0.61 per diluted share, in the third quarter of 2012 compared with $295 million, or $0.63 per diluted share, in the third quarter of 2011, if not for the following after-tax charges:

•$32 million, or $0.07 per diluted share, related to the previously announced organizational restructuring and a labor union dispute; and

•$39 million, or $0.08 per diluted share, from impairments of investments in unconsolidated entities and related assets.

INTERNATIONAL

Frigoglass makes senior leadership appointments

Frigoglass, Athens, Greece announced a new operating structure and the senior leaders of those businesses.

The business units have dedicated management teams located in the respective territories and who assume full profit and loss responsibility for their business. The most significant value levers in each business unit are as follows:

•Glass: – capture the further growth opportunities in Africa and deliver value out of the recent acquisition of Jebel Ali;

•ICM Asia and Africa/Middle East – capture the high growth potential in these regions and drive operating margin improvements; and

•ICM Europe and North America – consolidate Frigoglass' footprint in Europe, improve efficiencies and excel in customer service and innovation.

In addition, the Central Technical function has been elevated following the bundling of Frigoglass' technological competence in the area of innovation and development, manufacturing excellence, quality and sustainability. This function will drive the lean transformation across Frigoglass operations.

For a detailed list of appointments and locations affected, view this article on www.AmericanRecycler.com.

Hydro changes raw material sourcing for German rolling mills

Norwegian aluminum company Norsk Hydro ASA has decided to increase in-house primary metal sourcing, replacing less cost-efficient re-melting of cold metal as a source for its Neuss-Grevenbroich rolling mills.

In preparation for a ramp-up of primary sourcing in Neuss, planned for the first half 2013, Hydro has secured power contracts with Swedish energy group Vattenfall totalling 2.2 TWh (250 MW) annually over 5 years. The power contracts are a combination of new and existing power arrangements, the latter adapted for supplying Neuss operation.

The primary production in Neuss is dedicated to source Hydro's rolled products business. The plant has sourced power on a short-term basis since the previous long-term contract expired in end-2005.

The smelter was integrated into Hydro's Rolled Products business area January 1, 2012.

The Neuss plant, 100 percent owned by Hydro, is located in western Germany, close to Düsseldorf.

BUSINESS BRIEFS

Doppstadt hires four new marketing employees

Doppstadt US has hired Kris Snyder, Micheal McCusker and Darren Finlay, each of which will play key roles in the growth of new business and customer relationship management as new sales members. Lauren Reese will serve as marketing manager in the Doppstadt US home office located in Avon, Ohio.

Finlay is a veteran material processing sales professional with more than 10 years of market experience. He has been involved in every aspect of the business from managing sales, rentals, inventory and transportation of mobile equipment. He will be responsible for handling sales in the states of New York, Connecticut, Rhode Island, Massachusetts, New Hampshire, Vermont and Maine.

McCusker responsibilities will be conducted in the states of North Dakota, South Dakota, Nebraska, Kansas, Minnesota, Iowa, Montana, Wisconsin and Illinois.

Snyder will cover sales responsibilities in the states of Michigan, Indiana, Ohio, Kentucky, Tennessee and West Virginia. He previously studied business management and later transitioned into a career in wood processing equipment.

A drill sergeant had just chewed out one of his cadets and as he was walking away, he turned to the cadet and said, "I guess when I die you'll come and dance on my grave." The cadet replied, "Not me, Sarge! I promised myself that when I got out of the service I'd never stand in another line!"

Nick Staub appointed as new APRA chairman

Nick Staub was installed as the chairman of the Automotive Parts Remanufacturers Association (APRA) during their recent International BIG R Show.

Staub has been in the remanufacturing business since 1982 when he joined Romaine Electric which was owned by his father. Staub took over as president in 1989 after his father passed away.

Romaine Electric has 110 employees in 11 locations, five distribution centers and six retail shops. The company remanufactures rotating electrical, rewinds armatures and rotors, manufactures new armatures for OEM and the aftermarket and manufactures new 50 DN stators.

Staub will serve as APRA chairman until November 4, 2013 at the conclusion of the next International BIG R Show in Las Vegas, Nevada.

Doosan chooses Roland Machinery as new dealer

Doosan Portable Power has named Roland Machinery Company, headquartered in Springfield, Illinois, an authorized dealer of portable and utility mount air compressors, generators, lighting systems and light compaction equipment. In addition to their corporate office, Roland Machinery has 14 additional full service facilities located in five Midwestern states.

Roland Machinery Company was founded by E. Earl Roland in 1958 as a construction equipment dealer serving Central Illinois.

Metso decides to keep its recycling business

Metso previously announced that it intended reviewing strategic alternatives for its recycling business. As part of this process, Metso evaluated both external and internal options. The review concluded that integrating recycling into the mining and construction segment was the best possible alternative for creating value for Metso.

"We are committed to developing the recycling business as part of our mining and construction segment," said Matti Kähkönen, Metso Corporation's president and chief executive officer. "We believe that by integrating Recycling in this way we will add value to the recycling business and for Metso generally in terms of volume growth, cost competitiveness, and developing our overall offering. We are a forerunner and global market leader in metal and waste recycling, and our goal is to further strengthen our position here."

Recycling will be integrated into mining and construction as of December 1, 2012.

Recycling currently employs approximately 660 people, mainly in Germany, the U.S. and Denmark.

Hammel names Can-Con official Canadian dealer

Hammel New York, LLC has made Can-Con Equipment an official dealer covering all provinces in Canada.

Can-Con, a division of the Canadian group of companies, was founded in 2005 and is an equipment dealer serving the construction, scrap and waste industries.

Can-Con Equipment is headquartered in Essex, Ontario and provides customer support throughout Canada.

Auction Calendar

December 8, 9:00 am
2236 US 49, Brooklyn, MS: Mississippi Winter Contractors Auction, construction equipment, trucks & trailers.
Martin & Martin Auctioneers, Inc.
864-947-7888 • www.mmaauction.com

December 8, 9:00 am
2191 Seven Valleys Rd., Seven Valleys, PA: December Tractor & Construction Equipment Auction, tractors, skid steers, backhoes.
McGrew Equipment Company.
888-311-2811 • www.mcgrewequipment.com

December 13, 10:00 am
New Castle, PA: Major Scrap Processing Operation Auction. Ferrous and nonferrous shredding, chopping and crushing facility.
M. Davis Group.
412-521-5751 • www.mdavisgrp.com

December 28, 10:00 am
Washington County Fairgrounds, Greenwich, NY: New Holland, CAT, Deere, construction and support equipment.
Alex Lyon & Son Auctioneers.
315-633-2944 • www.lyonauction.com

January 24, 8:00 am
Highway 431 N, Dothan, AL: 16th Annual January Farm & Construction Equipment Public Auction. Deanco Auction.
877-898-5905 • www.deancoauction.com

Clean Harbors and Safety-Kleen sign agreement

Clean Harbors, Inc. and Safety-Kleen, Inc. have signed a definitive agreement under which Clean Harbors will acquire Safety-Kleen for $1.25 billion in cash.

Clean Harbors said that, in connection with the prospective deal, it has received a financing commitment from Goldman Sachs, and that it is considering additional financing options that may include a combination of cash, debt and equity.

The acquisition of Safety-Kleen and its 200 facilities in North America will fulfill a number of Clean Harbors' strategic objectives, including penetrating the small quantity generator market; broadening the company's waste treatment capabilities to include waste oil re-refining; driving increased waste volumes into Clean Harbors' existing treatment, storage and disposal network; leveraging sales capabilities and efficiencies of the combined companies; adding an immediately accretive business to accelerate growth and adding to cash-flow generation.

AERC Recycling and Com-Cycle change ownership

AERC.com, Inc. (AERC Recycling Solutions), has completed an agreement for a change in ownership.

Robert W. Landmesser, founder and chief executive officer of AERC Recycling Solutions, is the company's largest shareholder, and has reached an agreement with Recycling Holdings, LLC of Nashville, Tennessee. The agreement will transfer Landmesser's majority share of stock to Recycling Holdings. This change in ownership will allow AERC to conduct business as usual, service its customers and follow its course of pursuing new business opportunities in order to remain competitive in the marketplace.

Events Calendar

January 16th-18th, 2013
12th International Electronics Recycling Congress IERC 2013. Salzburg, Austria.
www.icm.ch

January 28th-31st
USCC 21st Annual Conference & Tradeshow. Buena Vista Palace Hotel & Spa. Lake Buena Vista, Florida.
301-897-2715 • www.compostingcouncil.org

March 10th-13th
The 26th Southeast Recycling Conference & Trade Show. Hilton Sandestin Beach Golf Resort & Spa, Destin, Florida.
800-441-7949 • www.southeastrecycling.com

March 13th-15th
13th International Automobile Recycling Congress IARC 2013. Brussels, Belgium.
41 62 785 10 00 • www.icm.ch

March 20th-21st
Spring 2013 Association of Postconsumer Plastic Recyclers Meeting. Sheraton New Orleans, New Orleans, Louisiana.
202-316-3046 • www.plasticsrecycling.org

March 20th-22nd
Global Plastics Environmental Conference. Sheraton New Orleans, New Orleans, Louisiana.
810-223-1949 • www.sperecycling.org

BUSINESS BRIEFS

John J. Ferriola to be named Nucor's CEO

Daniel R. DiMicco, who in more than 12 years as chief executive officer led Nucor Corporation through one of its most explosive and profitable growth periods and an industry-leading total shareholder return of 463.9 percent, announced that he is passing this responsibility on to current president and chief operating officer, John J. Ferriola, effective January 1, 2013.

DiMicco served as Nucor's chief executive officer longer than anyone since founder Ken Iverson, took over as Nucor's leader in September 2000, near the start of an economic slump that radically restructured the steel industry in the United States and abroad. DiMicco will remain with Nucor as executive chairman.

John Ferriola has stepped repeatedly into roles of increasing responsibility as part of Nucor's succession planning. An electrical engineer by training, Ferriola began his career with Bethlehem Steel in 1974. He joined Nucor in 1992 as manager of maintenance and engineering.

In his first decade with the company, Ferriola served as general manager at three different divisions. He was named executive vice president in 2002, then chief operating officer of steelmaking operations in 2007. In 2011, the board appointed him Nucor's president and chief operating officer and elected him to the board.

ADVERTISER INDEX

Waste Connections completes acquisition

Waste Connections, Inc. has completed the acquisition of the business of R360 Environmental Solutions, Inc., in Houston, Texas, for $1.3 billion in cash.

Through its R360 Environmental Solutions subsidiary, the company provides non-hazardous oilfield waste treatment, recovery and disposal services.

GlyEco Closes Purchase of Antifreeze Recycling, Inc.

GlyEco, Inc., the inventors of technology for cleaning waste glycol, has closed on the asset purchase of Antifreeze Recycling, Inc. Antifreeze Recycling, Inc. is an industry leader in the recycling of waste automotive coolant, and is based in Tea, South Dakota. The transaction closed on October 26, 2012 and is expected to be immediately accretive.

Wise Recycling promotes employees in Pensacola

Harold E. Stone, plant manager at the Wise Recycling facility in Pensacola, Florida has been promoted to general manager.

Shane E. Queysen has been named plant manager, effective immediately according to Andrew Logsdon, president of Wise Recycling.

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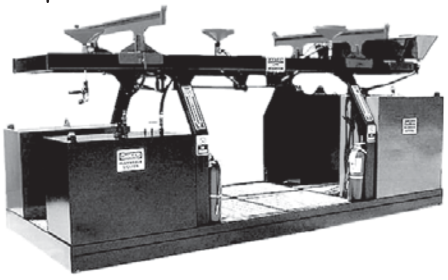

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Iron ore industry likely turbulent through 2020

With the disruption of supplies from India, concerns over slowing economic growth in China, and the effects of large stockpiles forcing the price of iron ore through a series of supposed "price floors," the iron ore industry has faced a turbulent time during 2011 and 2012. While the price of iron ore appears set to make a partial recovery, a new report from Roskill's offers a market outlook to 2020.

Increased concentration, vertical integration and foreign ownership is likely.

From 2006 to 2011, the promise of a high return on investment led to a decrease in the concentration of corporate control of seaborne trade in iron ore. During this period, the share of seaborne trade controlled by Rio Tinto, BHP Billiton and Vale (the "Big Three") fell to 57.3 percent of the world total. This trend is expected to reverse to 2020, as the limited availability of capital will make securing project financing increasingly difficult for emerging producers. Much of the increase in capacity is expected to come from capacity expansions in Australia and Brazil and from projects backed by leading steel producers seeking to secure future supply.

New capacity will exceed growth in demand and force high-cost operations out of the market.

Downward revisions in the long-term outlook for iron ore demand and prices are likely to lead to the delay, suspension or cancellation of a large number of projects. Nonetheless, Roskill estimates that 425 metric tons per year (mtpy) of nameplate capacity will be added from the middle of 2012 to the end of 2014 and that capacity additions will continue to exceed 100 mtpy through to 2020. These additions are likely to exceed demand growth and mostly represent low to medium-

See IRON ORE, Page 6

Metal theft laws burden recyclers

by MARK HENRICKS
mhenricks@americanrecycler.com

PHOTO BY INDYKB | DREAMSTIME

Some of the most aggressive anti-theft regulations require scrap yards to inventory purchased metal for days or weeks. This requires additional yard space that many operations simply do not have.

When three employees of Georgia recycling companies were arrested and charged with violating the state's new metal theft prevention laws last summer, it provided a graphic illustration of what recyclers have feared. Namely, that the proliferation of laws to discourage metal theft is making criminals out of recyclers who fail to follow sometimes burdensome requirements such as taking names, addresses, driver's license numbers, automobile license tags, photographs and even fingerprints of dealers who offer them recyclable metals.

"They're essentially deputizing scrap recyclers and holding scrap recyclers responsible, which seems unfair, and certainly does nothing to stop theft," said Danielle Waterfield, assistant counsel for the Institute of Scrap Recycling Industries (ISRI) in Washington, D.C.

The Georgia arrests suggest that this concern has some foundation, because they did not appear to involve any thieves or stolen metal. Instead, they were undercover operations in which a police officer masquerading as a dealer offered to sell metal and, when the recordkeeping requirements set forth by the new law weren't met, arrested the recycling employee.

While acknowledging that metal theft laws have a legitimate purpose, Waterfield questions their methods. "Unfortunately, the laws are not going after the thieves," she said. "With few exceptions, they are focused on administrative restrictions and requirements on scrap metal dealers with the idea that scrap metal dealers take on a law enforcement function."

Wisely or unwisely, lawmakers have been very active in creating laws targeting metal theft. In 2007, approximately 33 states had such laws. In 2012, 48 states have enacted legislation, mostly establishing recordkeeping and other requirements on dealers, with the goal of preventing metal theft. Today only North Dakota and Alaska lack such laws.

Everyone agrees that what's propelling the wave of legislation is a wave of theft. As commodity prices rose around 2008, thefts mostly of copper began rising. The National Insurance Crime Bureau (NICB), which tracks insurance claims, said that the number of metal theft claims grew more than 80 percent between the beginning of 2009 and the end of 2011. In 2007, the U.S. Department of Energy estimated that metal theft cost businesses $1 billion per year, which suggests the figure may be much larger now.

Thefts occur from unoccupied buildings, construction sites, utility substations, private homes and almost anywhere there are sizable quantities of lightly guarded metal, especially copper. Air conditioning units are popular targets because of their copper content and have been stolen from businesses, apartment buildings, homes, churches and schools.

Frank Scafidi, spokesman for the NICB, said that the thefts create not only costs and inconvenience, but also safety and environmental issues. One theft involved stripping wiring from an airport's perimeter lighting system, for instance. "It put the airport in the dark," Scafidi said. The NICB also reports that unoccupied buildings have exploded after gas lines were stolen, thieves have darkened highways by stripping cables from utility poles, and even tornado warning sirens have been silenced.

One way lawmakers have dealt with these problems is to require recyclers to keep better records. Today, recyclers may need to do anything from checking identification to videotaping transactions. The requirements can be difficult and costly to follow. For instance, one Georgia dealer described spending $35,000 on a new video system to record metal purchases.

Waterfield said the most burdensome rules, which have been enacted by some of the most aggressive legislators, require dealers to inventory purchased metals for days or weeks in case law enforcement needs the material to investigate or prosecute a crime. Similar rules have long governed pawnshops, but Waterfield said the scrap industry can't do it that way.

"Scrap dealers don't have the real estate to hold the scrap material," she

See THEFT LAWS, Page 7

A Letter from the Editor

Readers,

Have any of you ever purchased used goods? Perhaps some of you frequent online classified ads such as those on American Recycler's website, or more locally, Craigslist. Now imagine that you've purchased an item that someone has listed for sale, and the next day you are arrested and prosecuted because you failed to properly document the sale, and the item just might have been stolen.

It sounds absurd, doesn't it? Yet this very scenario takes place across the country every day. In an effort to curb the theft of scrap metal, over-aggressive state legislatures have criminalized a new class of people – scrap yard owners and operators.

This December, we turn our Focus to metals recycling. In his cover article, author Mark Henricks examines the difficulties that new anti-theft laws have imposed on scrap yard owners. Some of the financial burdens are astronomical, and greatly increase the cost of doing business.

To me, the premise of most of these scrap metal laws is deeply flawed. Laws are typically enforced by police and other State investigatory agencies. What these laws effectively do, however, is deputize private citizens and businesses and force them to do the State's job or face criminal prosecution. And while that might be tenable if the laws also afforded these private persons the resources that state agencies enjoy – such as a state-funded budget – they place the monetary burden of enforcement squarely on the shoulders of the business.

This is incredibly unfair. If the states want to catch scrap thieves, then they should shoulder the costs. There are already laws against theft, vandalism, receiving stolen property, etc. States should use their existing police forces to enforce the existing laws, rather than create new laws that criminalize efficient business. And if existing police forces can't handle the job, perhaps the states ought to pony up the dough for dedicated scrap theft squads.

Everything King Midas touched turned to gold. Governments both federal and local are the anti-Midas. Everything they touch ends up costing taxpayers gold.

Thanks for reading. I'll see you all in the New Year.

Dave Fournier
Focus Section Editor
david@americanrecycler.com

Metalico reports $10M third quarter loss

Metalico, Inc. reported a third quarter net loss of $10.7 million, equivalent to $0.22 per diluted share, due principally to a $12.1 million non-cash impairment charge to intangible assets.

Excluding the impairment charge and other unusual items, Metalico posted an adjusted loss of $1.3 million, or $0.03 per share. Net income for the prior year quarter was $5.1 million, or earnings per share of $0.11.

Metalico posted sales of $133 million for the quarter ended September 30, as compared to $169 million in the 2011 period. Weak metal selling prices and sluggish volume contributed to the reduction in revenue.

The operating loss in the third quarter resulted primarily from a pre-tax $12.1 million non-cash impairment of intangible assets in the Company's Platinum Group Metals (PGM) reporting units.

Year-over-year comparison to the third quarter of 2011 shows lower shipments except for nonferrous scrap, with ferrous scrap volumes down one percent. Lower PGM volumes accounted for a majority of the drop in revenue.

•Sales decreased 21 percent to $133 million from $169 million.

•The company had adjusted operating income of $188,000, versus income of $6.5 million.

•A net loss of $10.7 million was reported, of which $8.4 million was the non-cash impairment, and $955,000 related to the book-to-physical inventory adjustment, compared to reported net income of $5.1 million in the prior year quarter.

•Reported loss per share was $0.22, compared to earnings of $0.11.

•Shipments of nonferrous metals increased 31 percent to 42.9 million pounds. Ferrous shipments were relatively unchanged at 134,300 gross tons.

•Lead product shipments decreased 11 percent to 11.3 million pounds.

The company's scrap metal recycling segment reported a $2.1 million operating loss in the third quarter compared to $4.2 million profit last year. A $1.5 million book-to-physical adjustment of ferrous inventory, due to shrinkage, was the chief contributor to the segment's loss, combined with tighter metal margins.

The $12.1 million impairment charge, combined with lower volumes, pushed the PGM and minor metals segment to an operating loss of $12.9 million versus operating income of $1.6 million in the prior year quarter.

Metalico's ferrous and nonferrous recycling business suffered from a commodity-based rapid decline in scrap selling prices during the quarter. Both ferrous and nonferrous selling prices were down, with ferrous pricing dropping $48, or 11 percent, to $370 from $418 per gross ton in the sequential quarter.

Carlos E. Agüero, Metalico's president and chief executive officer, said, "Undeniably, we had a difficult quarter. Our operations were adversely impacted by tight supply which resulted in persistently high metal buying prices coupled with volatile and declining commodity selling prices. However, we are making considerable progress in reducing operating expenses and have maintained discipline in metal buying practices.

"Competitive pressures for securing scrap units at acceptable margins have not abated. Yet we remain confident in Metalico's ability to successfully navigate the challenging macroeconomic and metals industry environment."

Alcoa receives LEAP Award for leadership

Alcoa is the inaugural winner of the LEAP award for recycling leadership given by the Southeast Recycling Development Council (SERDC), an organization dedicated to promoting sustainable recycling in the Southeast U.S. The award recognizes corporate leadership in the drive to increase recycling rates in the region.

"SERDC is pleased to recognize Alcoa's longstanding commitment to recycling and materials management," said Will Sagar, executive director of SERDC. "Alcoa has been proactive in supporting collection of materials, not only aluminum, but all recyclables. Alcoa's responsible approach and investment in infrastructure has demonstrated leadership that serves as a model for the industry. We look forward to continuing our collaborative effort with Alcoa and others to promote sustainable recycling in 11 southeastern states."

AR EQUIPMENT SPOTLIGHT

To be included in the spotlight, you must manufacture the equipment featured. We require a company name, contact person, telephone number and, if applicable, a website address.

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Novelis opens Asia's largest can recycling operation

PHOTO COURTESY OF NOVELIS, INC.

Novelis' new facility in Yeongju will have an annual capacity of 265,000 tons, increasing the amount of aluminum scrap the company will be purchasing in Asia.

Novelis, an aluminum recycling and rolling company, is opening an aluminum recycling and casting center at its Yeongju, South Korea facility. The new operation is the largest aluminum beverage can recycling center in Asia.

The Yeongju recycling center is part of a multi-year, $400 million expansion of Novelis' operations in Korea. Asia is the world's fastest growing market for rolled aluminum used to create beverage cans, cars and consumer electronics.

As a key component of the company's sustainable business model, Novelis has committed to greatly increasing the recycled content of its rolled aluminum products to 80 percent by 2020. This project represents the first major step in the company's plan to increase its recycling capacity to 2.1 million tons by 2015. The new facility will have an annual capacity of 265,000 tons, and will increase the company's total consumption of recycled aluminum to over 1.4 million tons per year. Other significant recycling expansions are already underway in Brazil and Germany, along with additional investments worldwide.

Shashi Maudgal, president of Novelis Asia, said, "With our aggressive expansion plans, we are well positioned to meet the rising demand for rolled aluminum."

Novelis expects to be a major buyer of aluminum scrap throughout Asia due to this investment. Used aluminum beverage cans and other aluminum scrap will be processed by the new facility for re-melting and casting into sheet ingot that will be rolled at the company's Yeongju and Ulsan plants. When running at full capacity, the new operation will add nearly 80 new positions to Novelis' 1,200 employee workforce in Korea.

Kennametal evaluating investment in tungsten-cobalt blended powder operations in U.S. and China

Kennametal Inc. has commenced work to evaluate plans and potential locations for an advanced carbide recycling facility in the United States to serve global markets, while also expanding tungsten-cobalt blended powder operations at its existing facility in Tianjin, China to serve the Asia-Pacific region.

Both multiyear projects focus on diversifying Kennametal's tungsten sourcing to balance supplies, costs and access to raw materials, while also supporting sustainability and its global growth strategy to achieve one-third of revenues each from North America, Europe and Asia/Rest of World. By adding tungsten-cobalt blended powder capacity in Tianjin close to China's source mines, the company expects to streamline customer service in that region while reducing export delays and duties on the material. The company noted that initial capital plans for these projects are included in its FY13 forecast.

Kennametal is launching preliminary work to establish an advanced carbide recycling facility in the United States where it will reclaim material from scrap and consumed products such as metal-cutting inserts, and reuse it for new production. "We're talking about a high-tech operation where we'll process used materials to develop new combs essential to our industrial technology," said Kennametal chairman, president and CEO Carlos Cardoso.

Common sense is the most evenly distributed quantity in the world. Everyone thinks he has enough.

—Descartes

EQUIPMENT SPOTLIGHT ■ Attachments

by MARY M. COX
maryc@americanrecycler.com

When recycling metal, efficient processing is paramount. With the right tools, scrap metal can be turned into a valuable asset. “A-Ward’s roots are in attachments,” explained Mike Ganier, general manager. He said that years of experience in working closely with recycling and demolition companies and spotting a need in the market, is how the company came into being.


Rotobec, Inc.

“What is unique about A-Ward attachments is that they are virtually indestructible. Their distinct patented design not only makes them powerful but also very robust – standing up even in the toughest environments. The majority of our attachment products are mechanical, meaning not including a hydraulic ram. By utilizing the power of the excavator’s hydraulic ram, our attachments require virtually no maintenance and are competitively priced, offering an unbeatable return on investment.”

Ganier said that whether cutting down steel structures or processing steel on the ground, A-Ward’s steel shear will quickly and effectively get the job done. The product quickly cuts through scrap steel and is also effective in the processing and reduction of large truck and loader tires, cutting through rubber like butter. A-Ward’s patented double-acting jaw system provides greater cutting force while utilizing seven identical blades for shearing and piercing. This tool is also super-fast, cycling 12 to 14 cuts per minute, and is durable, versatile and productive, whatever the operation.

“Our robust concrete pulverizer jaw gives you clean material separation – reducing disposal costs and allowing you to on sell these resources. The pulverizer jaw is perfect for urban areas. The virtually indestructible tool is quiet and very easy to operate and is inexpensive to install and maintain. Replaceable bolt-on teeth ensure a solid work platform and long life. The tool’s super-fast jaw cycle time and incredible crunch provides an impressive return on investment for your operations,” Ganier stated. He said that A-Ward’s quick hitch coupling system is a simple, durable and safe attachment solution. The product allows the user to quickly change between attachments, providing increased efficiency. No pins allow for a faster change eliminating the need to realign a new attachment. Designed to be used with both mechanical and hydraulic attachments, the quick hitch is also completely customizable.

The company’s strut hook hitch is a powerful tool that meets the most stringent safety standards and allows a user to change to the right tool in a matter of minutes. Strut arm alignment can be done completely from the cab of the excavator, enhancing safety for the user and eliminating downtime. When combined with any A-Ward attachments, the patented Power-Positive™ configuration creates a much greater attachment jaw force than standard pin-on attachments can achieve.

Rotobec manufactures a number of products that are used by metal recyclers, chiefly their orange peel grapple. The product is available in many different sizes and models with the option of closed, semi-closed or open tine configurations. The 4-tine models range from 0.5 to 3 cu. yds., while the 5-tine models range from 0.5 to 1.8 cu. yds. There is also an option to include an integrated magnet, which is particularly effective for scrap yard cleanup or material separation.

Features and options include an interlocked head structure, enclosed cylinder guards, Rotobec-patented RT rotators, and the best combination of component protection and accessibility. “Orange peel grapples are manufactured on American soil in our Rotobec USA facility in Littleton, New Hampshire. The demolition version of our power attachments is also particularly effective in the handling of recycling materials. This grapple varies greatly in size and is available with a number of options, including dangling or positioned rotator, or an integrated valve-on-swivel,” stated Mark Shukla, director, sales and marketing.

The material handler also boasts features such as weld-on, replaceable tips, high pressure cylinders, and an interlocking design for increased strength and durability. Shukla added, “We manufacture a line of loaders that vary in size. Models include the 60, Elite, Elite SM, Horizon and Optimax. Our loaders are customizable with many options available, including configurations, boom lengths and cabs.”


SAS of Luxemburg, Ltd.

Paul Secker is president of SAS Forks. He said, “there is a wide variety of equipment needed to safely and efficiently handle and process scrap metal, but a short list of examples might

See SPOTLIGHT, Page 5

Manufacturer List

AIM Attachments
Chris Nichols
800-803-3365
www.aimattachments.com

Allied Construction Products LLC
Greg Smith
216-431-2600
www.alliedcp.com

A-Ward Attachments Ltd
Mike Ganier
201-697-7301
www.a-ward.com

Bateman Manufacturing
Mark Vandenberg
705-487-5020
www.batemanmanufacturing.com

Genesis Attachments
Amy Burmeister
888-743-2748
www.genesisattachments.com

Kenco Corporation
Tracy Black
800-653-6069
www.kenco.com

Northshore Manufacturing, Inc.
Uwe Kausch
218-834-5555
www.builtritehandlers.com

Palfinger American Roll-off
Warren Kimble
800-851-8938
www.palfinger.com

Rotobec, Inc.
Mark Shukla
855-768-6232
www.rotobec.com

SAS of Luxemburg, Ltd.
Paul Secker
877-727-3675
www.sasforks.com

Solesbee’s Equipment & Attachments, LLC
Dave Jenkins
800-419-8090
www.solesbeesequipment.com

Stanley LaBounty
Nathan Buckert
800-972-2647
www.stanleyhydraulic.com

Spotlight

■Continued from Page 4

include trucks, roll-off bins, wheel loaders, material handlers, excavators, shredders and eddy-current separators. "Specific attachments coupled to wheel loaders and excavators leverage the hydraulic power of these machines, turning them into processing centers themselves and generating tremendous value in the metal recycling stream."

Secker speculated that there are possibly more manufacturers of attachments than brands of wheel loaders or excavator machines, and each manufacturer brings design perspective that is a result of their experience. "We've been active in the auto salvage industry since 1968, so we've had a broad exposure to studying, engineering and manufacturing attachments that are used specifically for rough service and metal recycling," Secker stated.

On the core end of material handling, for wheel loaders, SAS Forks offers heavy duty crushing forks. For more wheel loader versatility and process perspective, SAS Forks offers their Scorpion Engine Puller. Secker noted, "A client of ours at an auto recycling business told us that our Scorpion is an excellent product. He said he was happy to learn that the product does everything shown in our video and more. The Scorpion can offload incoming trucks, load drain racks, set and retrieve cars in the yard, pull engines and transmissions, pull a dash to expose copper that can be recovered, load a car crusher, pick up

A-Ward Attachments Ltd

white goods and load a baler, pick up dumpsters, and grapple loose materials from the ground."

Excavators are a helpful tool in metal recycling processes because the machines are helpful in dismantling autos. "Our SAS Extreme™ auto processor excavator attachment has a patented jaw configuration, with a rotator specifically engineered to take advantage of the nimble boom and arm that reaches in and extracts an engine, transmission, and the abundant aluminum and copper inside cars and trucks. A salvage yard owner recently told us that using the Extreme enabled him to double his copper recovery when processing cars," said Secker.

A Closer Look

by Donna Currie

Brothers Equipment Co.

Drew Jurek • 800-578-8471

Next year, Brothers Equipment Company will celebrate its 75th anniversary as a family business. Vice president Drew Jurek is part of the third generation and has been working for the company since he was in high school.

The company was founded in 1938 by Jurek's grandfather, Walter, who built dump bodies and trailers, among other things. During WWII, the government bought up as many trucks as it could find, and Jurek's grandfather ended up selling all of his trucks to the army.

"That's what started him in the trucking industry," Jurek said.

In the 1950s, the company manufactured its first lugger hoist system, and in the 1960, it began building lugger bodies for the scrap industry.

In the early 1960s, Jurek's father, Andy Sr., joined the company, and then in the late 1960s the company started building roll-offs for the scrap industry. Jurek said his company was one of the first on the market, but they didn't patent the concept. "Everybody copied everyone else's design," he said.

In 1985, Jurek started working for the company while he was still in high school, and after taking some time off to earn a degree in small business management, he came back full time in 1991.

In 2008, Jurek and his brother, Jason, came up with a buy out plan to buy the business from their father. "He's still here every day," Jurek said of his father. Jurek said that sometimes his father will come up with an idea he had tried 20 or 30 years before that might not have worked then, but it works now.

Although his title is vice president, Jurek said that he might be welding one day and driving a truck the next, but his favorite part of the business is working with customers to build custom equipment and "developing new products – coming up with the new widget."

He also likes "seeing my product go down the highway," and knowing that he's helping to "move product from Point A to Point B." He said that when he sees his equipment on the road, he knows when it was built and who it was built for.

The company works closely with scrap haulers to build exactly what's needed. They ask, "Can you make it?" and the Jureks try their best to come up with new ideas, better products and trucks with larger and larger capacities. Their products are sold under the Ace product name, but the Jurek brothers changed the company name to Brothers Equipment to differentiate themselves from all the other companies and products using the name "Ace."

Approximately 75 to 80 percent of the company's customers are in the scrap and recycling industry, while the remainder are municipal and private companies. Sometimes the company builds custom equipment, like ship-to-shore containers.

"We always try new things," Jurek said, "whenever they are feasible." This helps them open up new markets for new products like some they're making for a company in the shale and natural gas industry.

Jurek said that 2011 was the best year so far for the company, and they've built the business back up since the economic downturn in 2008 and 2009. At that point, there was only 1 employee besides the 2 brothers – now there are 10 employees. "I think we can survive anything," he said of those lean times.

He expects to see continued growth, and hopes that in five years they'll go from a $1 to 3 million company to $3 to 5 million. "I don't want to be a monster company," he said. "We've been small the whole time and it works for us."

He attributes part of the company's success to its longevity. "You can't buy 75 years of customer service," he said.

Iron ore

■Continued from Page 1

cost operations. Consequently, producers at the higher end of the cost curve – particularly those in China – will gradually find themselves unable to compete in the open market.

Demand for steel is expected to grow at a slower rate.

In 2012, a destocking phase among steel producers depressed demand for iron ore and the World Steel Association expects apparent consumption of finished steel products to grow by only 2.1 percent in 2012, down from 6.2 percent in 2011. A partial recovery appears likely, as the construction sector in China and increased infrastructure spending will support growth in demand. During the period to 2020, however, rising demand from other emerging nations is unlikely to fully offset the slowing pace of growth in the intensity of steel use in China, as this country approaches a peak in per capita steel consumption.

Roskill expects growth in apparent crude steel use to average 2.9 percent per year from 2012 to 2020. Owing to the ongoing shift of steel production to countries with a higher use of iron ore per unit of steel, Roskill forecasts that demand for iron ore, at 3.1 percent per year, will marginally outpace steel demand, despite a relative increase in the use of scrap metal.

Prices are likely to remain volatile.

Uncertainty over the Eurozone affects the iron ore industry through its effect on demand, as well as on the reduced availability and higher cost of capital. Revisions of figures on Chinese growth targets and performance are likely to result in further short-term peaks and troughs, although much of the adjustment to a more realistic outlook has already taken place – albeit some rebound from excessive and unwarranted pessimism may be expected. Other risk factors include growing resource nationalism, particularly in Africa, highly unpredictable energy costs, rising labor costs and the fate of the Indian mining industry following the mining bans in Goa and Karnataka states.

The World Steel Association expects consumption of finished steel products to grow by 2.1 percent in 2012.

Following the slump in prices from June to September 2012, Roskill expects prices to remain above $120 per ton until the end of 2014, while a restocking phase may push prices towards $135 per ton during 2013, although large fluctuations are not unlikely. As new capacity comes on-stream, the industry's price floor will gradually drop and Roskill expects that the $100 per ton price level will be repeatedly tested and eventually broken towards 2015. In its baseline scenario, and adjusting for inflation, Roskill expects that prices may trend towards $85 to $95 per ton during 2016 to 2020.

Novelis reports second quarter year 2013 results

Novelis, a global aluminum recycling and rolling company, reported net income attributable to its common shareholder of $49 million for the second quarter of fiscal 2013. Excluding tax-effected special items in both periods, net income for the second quarter of 2013 was $62 million, compared to $129 million for the same period in 2012 mainly driven by lower Adjusted EBITDA and a tax benefit in the prior year that did not reoccur.

Adjusted EBITDA was $277 million for the second quarter of 2013, compared to the Company's second highest EBITDA of $301 million reported for the same quarter in 2012, primarily a result of higher employment and project start-up costs associated with its expansions.

"As expected, we had a strong second quarter with adjusted EBITDA up seven percent sequentially, and are operating at or near capacity in all of our regions," said Phil Martens, Novelis president and chief executive officer. "The actions we've taken over the last few years have strengthened our operations and will help better position us as we continue to transition the business for future growth. Although we see near-term pressure due to a slowdown in the global economy, we continue to believe in the strong long-term growth outlook for can, automotive and specialties, and expect our expansions to deliver strong EBITDA contributions once they are fully commissioned."

Shipments of aluminum rolled products totaled 719 kilotons for the second quarter of fiscal 2013, flat compared to shipments of 720 kilotons for the same period last year.

Net sales for the second quarter of fiscal 2013 were $2.4 billion, a 15 percent decrease compared to the $2.9 billion reported in the same period a year ago. This decrease was mainly the result of a 20 percent decline in average aluminum prices when compared to the previous year.

For the second quarter of fiscal 2013, Novelis reported liquidity of $919 million. "Our liquidity was very strong. In the third quarter, our liquidity will be pressured by a few factors, mainly the semi-annual bond interest payment and our aggressive capital expenditures program," said Steve Fisher, SVP and chief financial officer of Novelis. Free cash flow was a negative $25 million for the second quarter of 2013, primarily due to capital investments of $178 million.

Aleris to increase aluminum supplied to Audi China

Aleris disclosed that it has signed a contract with FAW-Volkswagen to provide aluminum for several Audi models to be produced in China. Aleris will supply aluminum for the Audi A3 Sportback and Sedan models to be produced in Foshan, in Guangdong Province, and the Audi Q5 produced in Changchun, in Jilin Province. Aleris will also increase its supply of aluminum provided for the Audi A6 made in Changchun.

For all models, Aleris will supply the Superlite 200® alloy, which provides the optimal mix of strength, surface finish and corrosion resistance. Superlite is best suited for the development of lightweight, energy-efficient vehicles while maintaining excellent performance and safety standards.

Aluminum offers a sustainable solution for automotive applications to achieve greater fuel efficiency and meet CO_2 regulations. According to industry sources more than 90 percent of automotive aluminum is recovered and recycled.

A man who had been caught embezzling millions from his employer went to a lawyer seeking a defense. He didn't want to go to jail. But his lawyer told him, "Don't worry. You'll never have to go to jail with all that money." And the lawyer was right. When the man was sent to prison, he didn't have a dime.

Theft laws

■Continued from Page 1

said. "And it's traded on a commodities market and prices change throughout the day. You can't predict what the price is going to be the next day. You could lose your shirt."

Aside from posing problems for dealers, metal theft laws can confuse metal dealers, including consumers as well as those who make living collecting scrap metal. Georgia recyclers, for instance, report many calls from consumers wondering whether they can recycle household metals without licenses or other requirements.

Another argument against new laws is that they aren't likely accomplish much because existing law aren't enforced and few of the new laws provide for enhanced enforcement. "If you're going to have enforcement, then you have to have the bodies or enforcers to enforce with," Scafidi said. However, he said law enforcement agencies are generally experiencing budget crunches that constrict rather than expand their capabilities. "They don't have the luxury to deal with what might be a new enforcement item in their community," Scafidi said.

Despite the questions about fairness and effectiveness, more laws are coming. Legislators in New Jersey are considering whether add license plate recording to dealers' responsibilities and ban the use of transferable checks for purchases. California authorities are developing an online database of metal sales. Waterfield said a federal metal thefts law that came up during the last Congress may resurface as well.

ISRI would like to see a move toward reconsidering how metal thefts are prevented, with the help of taskforces in each state involving all stakeholders, including recyclers, law enforcement and property owners. The organization hasn't drawn up a model bill, Waterfield said, because circumstances differ too much between jurisdictions. ISRI is, however, planning to conduct a study that will determine effects different types of laws have on metal thefts.

Meanwhile, she said the group will continue to try to educate recyclers about the stakes, the public about the new rules and legislators about recyclers' view of the issue. She said, however, that restrictions are almost sure to get tighter before they get looser.

"This is not going away," she said. "And it is vitally important that industry is engaged in the process. Otherwise these laws will be enacted without the industry's consent and they are extremely burdensome because lawmakers don't understand the business. If industry members don't make the effort to educate and inform, then they're going to be crushed under extremely burdensome regulation."

A guy went to a psychiatrist and said, "Doc, I keep having these alternating recurring dreams. First I'm a teepee; then I'm a wigwam; then I'm a teepee; then I'm a wigwam. It's driving me crazy. What's wrong with me?" The doctor replied, "It's very simple. You're two tents."

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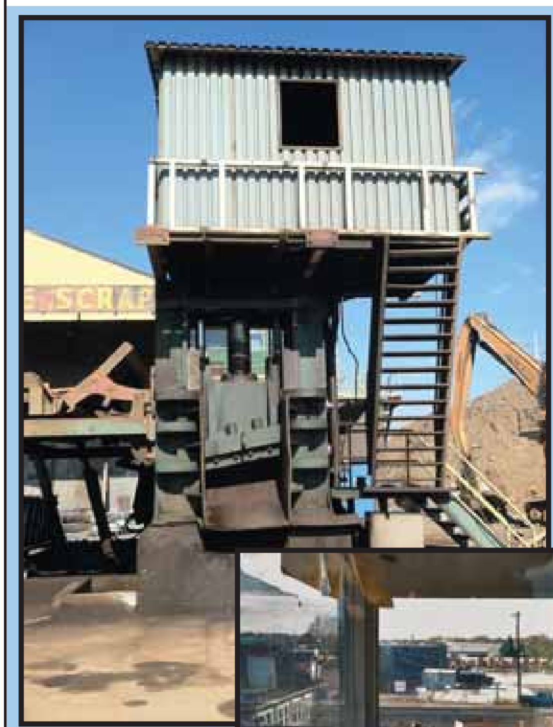

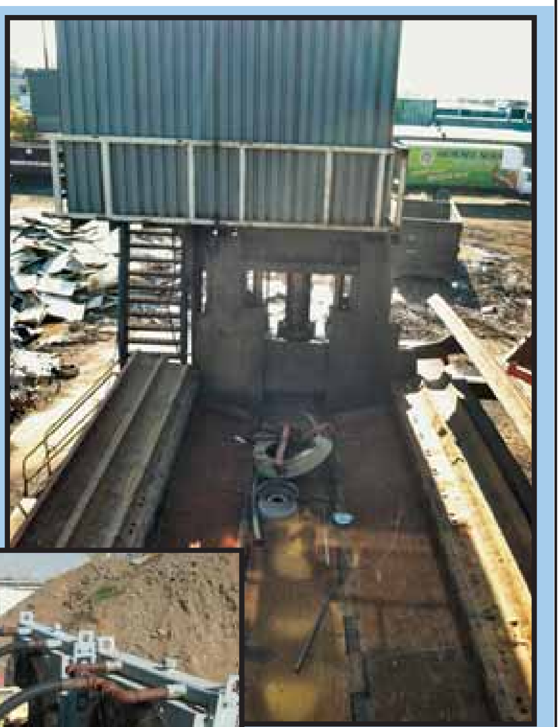

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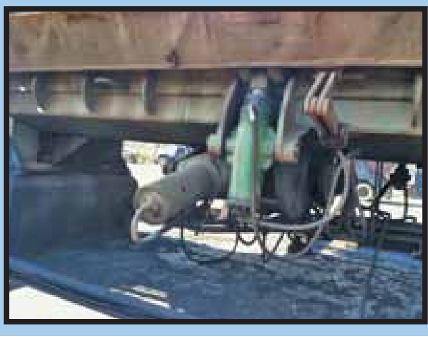

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