



American Recycler

NewsVoice of Salvage, Waste and Recycling

AmericanRecycler.com

Massachusetts, the future of C&D recycling

by MIKE BRESLIN

mbreslin@americanrecycler.com

“We don’t have many landfills in Massachusetts, but we do have a lot of landfill restrictions,” declared Dan Costello, president of Costello Dismantling, based in Middleboro, Massachusetts. “Instead of landfills, there is a network of construction and demolition (C&D) processing and recycling facilities, not only in Massachusetts, but around the region that have developed to meet the need of recycling C&D material.”

When it comes to landfill restrictions, Massachusetts appears to be the strictest in the United States, although many see it as enlightened environmental policy, a forerunner of America’s landfill future. “Statewide, I think we have the toughest restrictions in the country,” said Costello.

Jim Colman, assistant commissioner of the Bureau of Waste Prevention for the Massachusetts Department of Environmental Protection (MassDEP) said, “If it’s not the strictest, I can tell you it’s among the strictest for sure, but we have not surveyed all the states to know definitively that it is.”

Jim McQuade, regional planner within the MassDEP Bureau of Waste Prevention elaborated, “Massachusetts is the only state that has banned disposal of certain demolition and construction materials. There are counties that have landfill bans on C&D materials in states such as California, Washington and Ore-



An inside look at the recycling line at Devens Recycling Center LLC.

gon. We are the only state that has banned disposal of certain components of the C&D waste stream, statewide.”

In 2006, Massachusetts began to ban C&D materials, specifically five components – asphalt pavement, brick, concrete, cardboard, metal and wood. “Since then, working with the C&D

Subcommittee, we have focused on clean gypsum wallboard. We went through public hearings last year and that process resulted in banning clean gypsum wallboard beginning July 1, 2011,” said McQuade. “We are currently working with clean gypsum wallboard recyclers and the external community to

explore how we can invigorate a recycling infrastructure around renovation and demolition wallboard scrap. In tandem with the discussions on clean gypsum, the subcommittee is looking at other materials, specifically carpet and ceiling tiles.”

See C&D RECYCLING, Page 4

PRSR STD
U.S. Postage
PAID
Columbia, MO
Permit No. 353

3.2011

CHANGE SERVICE REQUESTED

American Recycler
900 W. South Boundary, Bldg. 6
Perrysburg, OH 43551-5235

Waste Management develops new organics facility in Florida

Waste Management, Inc. (WM) is developing a new organics facility in Okeechobee, Florida. The facility will process yard, food and clean wood waste to create value-added soil amendments, as well as bagged lawn and garden products.

The facility, located adjacent to WM’s existing Okeechobee Landfill operation, is the company’s first dedicated organics composting site in Florida. The eight acre site will offer organics recycling services to the South Florida region with operations expected to begin in the spring of 2011.

“We want to extract the highest value possible from the materials we manage. Recycling organics through composting and other technologies that may produce energy, transportation fuels or specialty chemicals, enables us to generate more value from this specific material stream,” said Tim Hawkins, market area vice president for WM.

“With this facility, we will be able to offer southern Florida customers dedicated organics processing capability as well as generate beneficially useful

See ORGANICS, Page 2

PCBs in caulk: A looming issue for the C&D industry



Focus Section Cover, Page B1

WHAT'S INSIDE

Scrap Metals MarketWatch..... 9

Salvaging Millions..... 16

Events Calendar..... 18

Business Briefs..... 17

New Product Showcase..... 19

AR Classifieds..... 20

Focus Section..... B1

Equipment Spotlight..... B4

A Closer Look..... B6

- 2010 Finished steel imports show a 33 percent increase. Page A9
- Theft alert system helps recover stolen property. Page A10
- EPA allows biomass companies to defer GHG rules. Page A14

- EU moving towards recycling society but progress needed. Page A16
- Massachusetts developer protects wetlands to settle clean water violations. Page B2
- Statement released regarding President Obama’s Better Buildings Initiative. Page B5

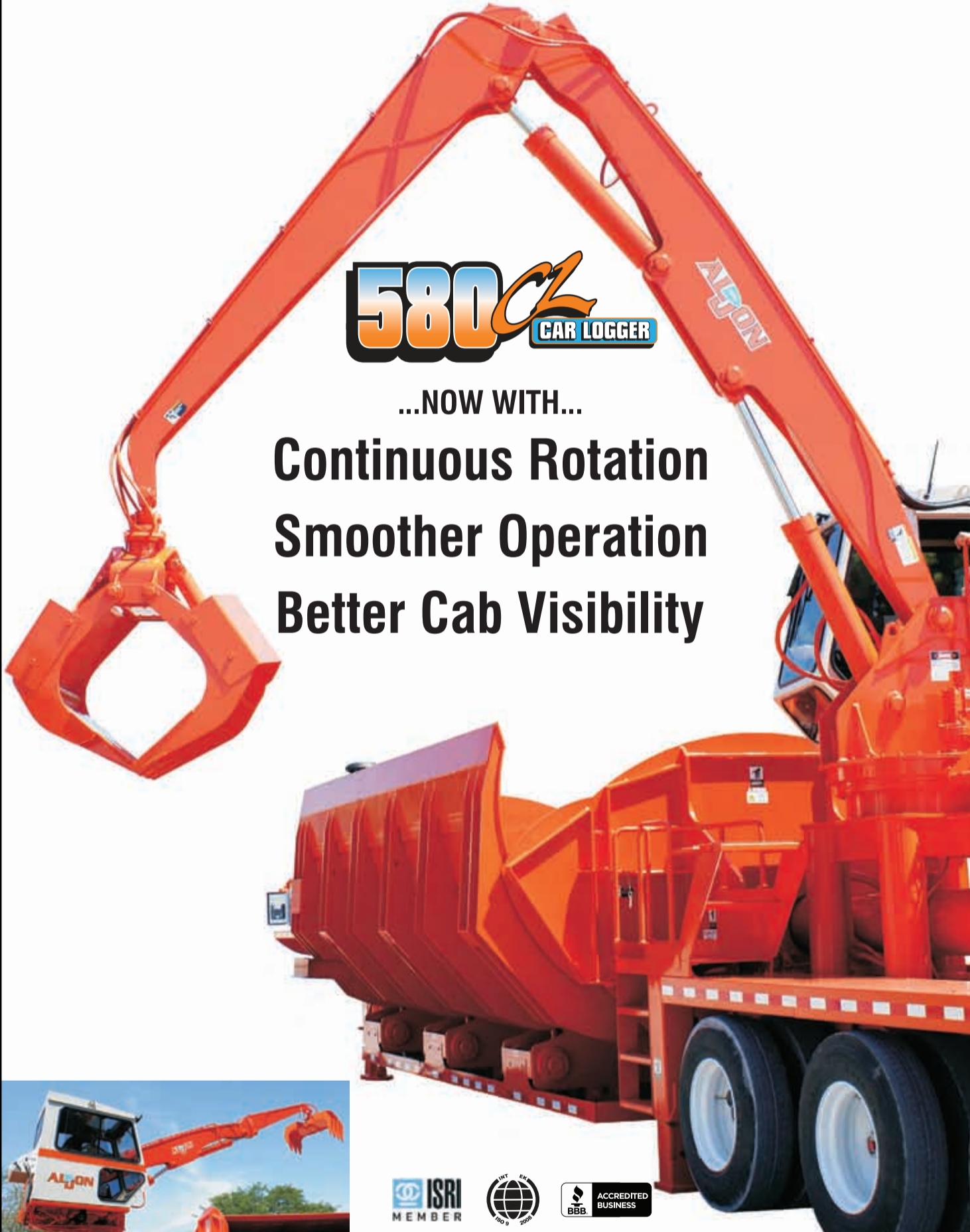


New Heavier Crane



...NOW WITH...

**Continuous Rotation
Smoother Operation
Better Cab Visibility**



Al-jon Manufacturing LLC | 15075 Al-jon Ave. | Ottumwa, IA 52501 | U.S.A.

(+1) 641-682-4506 | 800-255-6620 | www.aljon.com

KEEPING IT SIMPLE. BUILDING IT STRONG.

Keep America Beautiful adds board members

Keep America Beautiful, Inc. (KAB) has appointed Carey Hamilton, executive director of Indiana Recycling Coalition, and Gregory L. Crawford, executive director of the Steel Recycling Institute (SRI), to KAB's national board of directors.

Hamilton, who will represent the interests of KAB's State Recycling Organization partners, has served as IRC's executive director since 2008, following a career in environmental consulting and advocacy. She has previously served as a program manager for the Indiana Department of Environmental Management, where she specialized in air quality issues. Under Governor Frank O'Bannon, Hamilton led the Indiana Greening the Government Program in 1999 and 2000, overseeing environmental practices for 700 state offices.

Prior to his appointment to executive director at SRI, Crawford served as the organization's vice president of operations. In 1990, he joined the original ASTM E50 Committee on Environmental Assessment. In August 1995, he participated in the first Big Sky, Montana, meeting of the then-fledgling United States Green Building Council. Crawford is also the executive director of the Cool Metal Roofing Coalition and secretary for the California-based Cool Roof Rating Council. In addition, he is on the board of the Athena Institute and is a member of the California Association of Building Energy Consultants. He is immediate past chairman of the Sustainable Buildings Industry Council. Crawford holds a Bachelors of Science degree in engineering from the United States Military Academy in West Point, New York, and an MBA from the University of Utah.

Organics

■Continued from Page 1

products such as nutrient-rich organic compost that can close the loop with local homes and businesses in South Florida."

The Okeechobee facility is part of WM's expansion of its organics recycling solutions and key to developing new, high value-added end markets for organic materials and accelerating the growth of organics recycling across North America. WM recently acquired a majority equity interest in Garick LLC, a leading manufacturer, marketer and distributor of organic lawn and garden products, which has served to expand WM's organics recycling capabilities to over one million tons. The company has also invested in new and emerging technologies to convert organic energy into transportation fuels, and ultimately, petrochemicals and chemicals.

North America generates over 80 million tons of organic waste each year. In the United States, approximately a third of municipal solid waste is organic, including food, yard and wood waste. Approximately 65 percent of yard waste and 2.5 percent of food waste collected in the United States is currently diverted from disposal.

New Jersey awards \$13 million in recycling grants

The New Jersey Department of Environmental Protection (DEP) is providing municipalities and counties \$13 million in grants to assist local recycling efforts, commissioner Bob Martin announced.

The grant money is made available through the Recycling Enhancement Act, a law that has significantly increased Recycling Tonnage Grants the DEP is able to make to local governments. The grant program is funded by a \$3 per ton surcharge on trash disposed at solid waste facilities.

Municipal governments, vital to the overall success of recycling, receive 60 percent of the money the fund generates to help them enhance 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. Individual grants are based on the recycling success local governments demonstrated in 2008.

The programs receiving the highest grant awards this year based on their recycling achievements are: Jersey City (Hudson) \$267,674; Vineland (Cumberland) \$255,954; Newark (Essex) \$232,709; Clifton (Passaic) \$207,094; North Bergen (Hudson) \$172,539; Toms River (Ocean) \$164,350; South Brunswick (Middlesex) \$149,198; Edison (Middlesex) \$148,583; Millville (Cumberland) \$141,265; Piscataway (Middlesex) \$135,868; Cherry Hill (Camden) \$133,693; and Woodbridge (Middlesex) \$130,524.

"New Jersey's recycling rates continue to trend upward," said Guy Watson, chief of the DEP's Bureau of Recycling and Planning. "We are seeing steady and encouraging increases in rates for a number of reasons, including expanded public outreach efforts, expansion of the types of materials municipalities are collecting, and more convenient recycling options such as single-stream programs that enable residents to put all

of their recyclables out for collection in one container."

In 2008, New Jersey recycled more than 13 million tons of the 22.1 million tons of solid waste generated for an overall recycling rate of 59.1 percent, compared to a rate of 57.3 percent in 2007. This rate includes all types of waste recycled, including municipal solid waste as well as bulky waste such as construction and demolition debris, scrap metal and wood.

New Jersey generated slightly more than 10 million tons of municipal solid waste, of which 3.8 million tons were recycled, for a 37.9 percent municipal solid waste recycling rate, an increase from the 2007 rate of 36.5 percent. Materials recycled as part of municipal programs includes paper, cardboard, glass, metal cans and plastic.

The 37.9 percent municipal waste recycling rate is the highest since 2003, when the rate had dipped to 32.7 percent.

New Jersey became the first state to require statewide recycling in 1987 with passage of the Statewide Mandatory Source Separation and Recycling Act. The state subsequently set a target of recycling 50 percent of the state's municipal solid waste by 1995.

New Jersey came close to this goal, recycling nearly 45 percent of its municipal solid waste in 1995. But rates dropped over much of the next decade as a result of the expiration of a solid-waste tonnage charge that funded local recycling efforts. Recycling rates also dropped as a result of federal court rulings that struck down state solid-waste flow rules that allowed counties to direct trash to their facilities.

The Recycling Enhancement Act and programs initiated by the DEP and local governments to promote the importance of recycling have been reversing this trend over the past several years.

For a list of grant payouts, visit www.americanrecycler.com.

Eleven universities divert 130,000 pounds of waste

The Environmental Protection Agency's (EPA) 2010 Game Day Challenge college football competition resulted in a diversion of 130,000 pounds of waste material from landfills in Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin.

This achievement prevented the release of 181 metric tons of carbon dioxide which is equivalent to the annual greenhouse gas emissions from 31 cars.

"Notre Dame won the Challenge in the upper Midwest, diverting 37,600 pounds of waste for the Green Team," said Bruce Sypniewski, director of EPA Region 5's Land and Chemical Division.

Universities in the Region 5 states that participated in the Challenge included Bowling Green State University, Central Michigan University, Illinois State University, Indiana University, Northwestern University, Ohio University, Purdue University, the Ohio State

University, University of Michigan, University of Minnesota and University of Notre Dame.

During the month of October, each school tracked the amount of recycled, composted, reused, donated and/or disposed of waste during one home football game. The competition was sponsored by EPA's WasteWise program, a voluntary effort through which organizations eliminate costly municipal solid waste and select industrial wastes, benefitting

their bottom line and the environment. Launched in 1994, the program has more than 2,700 members.

Nationally, 79 colleges and universities participated in the Game Day Challenge. The schools together diverted more than 500,000 pounds of waste from landfills, which prevented the release of 940 metric tons of carbon dioxide, equivalent to the annual greenhouse gas emissions from 179 cars.



CIF INDUSTRIES, INC.

TRANSPORTATION EQUIPMENT FOR THE RECYCLING INDUSTRY



**WE OFFER 40+ YEARS
EXPERIENCE, PROVEN
DEPENDABILITY & BEST
PRODUCTS & SERVICE!**

QUALITY PRODUCTS at COMPETITIVE PRICES for HAULING

- CRUSHED or COMPLETE CARS
- HEAVY STEEL CASTINGS
- SCRAP METALS
- ALUMINUM

EQUIPMENT AVAILABLE:

- TRAILERS
- ROLL-OFF CONTAINERS
- LUGGERS
- STACKABLE / ROTATABLE CONTAINERS




**ALL TRAILERS FEATURE
HEAVY-DUTY HINGES on TAILGATES,
REINFORCED FRONT HEADACHE RACKS
& LEAK-PROOF or DRAIN OPTIONS!**

**We offer EXPERTISE in STANDARD or
CUSTOM PRODUCTS PER CURRENT DOT
REGULATIONS...**

CONTACT US FOR A QUOTE TODAY!!

**888-362-6263 / cifindustriesinc.com / rickclarkjr@cifindustriesinc.com
618-635-2010 / 618-635-2786**



PHONE/FAX:
800-757-1064
www.NISProducts.com

DUMP HOPPERS

CALL NOW FOR BEST PRICING!

PRICES SUBJECT TO CHANGE AND MAY VARY AT TIME OF PURCHASE DUE TO THE FLUCTUATING STEEL MARKET.

PRODUCT NO.	CU. YDS.	CAP. LBS.	L x W x H	PRICE ea	QUANTITY
MEDIUM DUTY DUMP HOPPERS (12 GA. STEEL / 7 GA. BASE)					
NISM100	1	2000	63.5 x 41 x 38.5	\$569.43	_____
NISM200	2	2000	69.5 x 59 x 44	720.08	_____
HEAVY DUTY DUMP HOPPERS (10 GA. STEEL / 7 GA. BASE)					
NISH100	1	4000	63.5 x 41 x 38.5	\$598.10	_____
NISH200	2	4000	69.5 x 59 x 44	805.70	_____
NISH300	3	4000	74 x 64 x 59.5	1161.66	_____
EXTRA HEAVY DUTY DUMP HOPPERS (7 GA. STEEL / 7 GA. BASE)					
NISX100	1	6000	63.5 x 41 x 38.5	\$669.42	_____
NISX200	2	6000	69.5 x 59 x 44	914.74	_____
NISX300	3	5000	74 x 64 x 59.5	1310.15	_____
NISX400	4	4000	74 x 84 x 59.5	1554.33	_____
NISX500	5	4000	74 x 100 x 59.5	1659.38	_____

NAME _____

COMPANY _____

PHONE _____ SHIPPING ZIP CODE _____

E-MAIL _____

C&D recycling

■Continued from Page 1

“That does not mean that a ban is imminent,” emphasized Coleman. It means that we are starting to have preliminary discussions. Before we would even think about a ban, we would have to have a good idea of what the recycling infrastructure would be and that it’s financially viable. We are probably talking at least two or three years before there would be any proposed ban.”

A partnering process

“There are interesting dynamics that have occurred in Massachusetts,” Costello explained. “It’s not as if these bans were implemented on the spur of the moment. There has been a process that’s been going on with the MassDEP for over eight years now. In 2002, we started talking to the regulatory people and industry groups about what materials were to be banned from landfills and how to implement it. We had a run-up of four or five years of talking and planning about implementing bans before they actually took place. So the transition was not drastic to the industries involved.”

Dan Costello played a leadership role in this public-private partnership as a member of the MassDEP Construction and Demolition Materials Subcommittee

of the Solid Waste Advisory Committee, which is composed of approximately 160 members from government, industry, non-governmental organizations, trade associations and environmental advocates.

Costello’s company has long been one of the premier demolition contractors in the northeast, offering demolition services as well as equipment removal and salvage. His company has been widely recognized by the industry for its commitment to safety and environmentally sound deconstruction practices.

Costello is past board member of the National Demolition Association and serves on its Environmental Committee. He is a current board member of the Construction Materials Recycling Association (CMRA) and chairman of its product specification committee. “We just finished writing specifications for using wood products as biomass fuel. We feel that is going to be a very important beneficial-use going forward.”

Since most all C&D debris is banned from landfills and boilers in Massachusetts, demolition and construction companies have limited options compared to most other states. They can export debris to out-of-state landfills, but most often transportation and tipping fees make it prohibitively expensive.

“Now we are paying less to recyclers than we would to ship out of state,” said Costello. “Landfill disposal is generally close to \$100 dollars per ton, but the disposal fees at the processing plants are in the \$60 to \$70 dollar per ton range. It’s certainly a lot more than other parts of the country pay for landfill, but around here there’s some economic advantage. The only other option is trucking out of state, or shipping by rail. There are landfills in New Hampshire and some material goes to Ohio, but that’s generally more expensive than going to a recycler. Rail disposal is often a competitive option, but it depends on where your project is located and the relative costs to get to each landfill.”

For-profit recycling

Devens Recycling Center located Devens, Massachusetts is one of the new breed of C&D recyclers that Costello ships his demolition material to. “Devens has a

beautiful, 90,000 square-foot facility all under one roof that cost about \$15 million to build. They do a great job. They are among a dozen or so in the state with similar capabilities,” said Costello.

“We are one of the newest, state-of-the-art construction and demolition material processing facilities in the one of the most highly regulated jurisdictions in the country,” Judy Cohen, facility director at Devens told us.

Devens holds permits to handle both C&D and municipal solid waste (MSW) allowing the daily acceptance of 1,000 tons of C&D and 500 tons of MSW, the largest volume permit of its type in the state.

“We opened our doors in September of 2007 with the C&D permit,” said Cohen. “We pursued a MSW permit after we were opened and got it in July, ‘09 because the construction and demolition volume had slowed down due to the downturn in the economy. To survive we had to look at other waste streams and become more versatile. Our DEP requires solid waste handling facilities to provide an annual report of how much debris they take in and how much they send out. I think there are 21 different entities that do these reports, but you can’t put them all in the same category, because not all have the separating infrastructure we have.”

Devens accepts and recycles virtually all non-hazardous building materials generated from residential or commercial construction or demolition job sites as well manufacturing scrap and MSW. The company recycles debris into feedstock for secondary markets like biomass fuel, road-patch repair, landscaping materials, new cardboard, soil substitute, and new construction materials.

Devens is unique in another respect. It was founded by Kurt MacNamara, an experienced demolition contractor, so the facility was specifically configured to recycle construction debris. It was designed with the LEED projects in mind. C&D material flow is tracked from the moment it enters the facility and customers can access reporting via their web portal. Moreover, Devens assists cus-

See C&D RECYCLING, Page 6



NewsVoice of Salvage, Waste and Recycling

877-777-0737 Fax 419-931-0740

Publisher and Editor

ESTHER G. FOURNIER
esther@AmericanRecycler.com
news@AmericanRecycler.com

Editorial Focus Section Editor, Production and Layout

DAVID FOURNIER, JR.
david@AmericanRecycler.com

Production and Layout

MARY E. HILL
mary@AmericanRecycler.com

Marketing Representatives

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

Circulation Manager

DONNA L. MCMANUS
donna@AmericanRecycler.com

Writers and Contributors

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

Production Offices

900 W South Boundary, Bldg 6
Perrysburg, OH 43551-5235
877-777-0737 fax 419-931-0740
www.AmericanRecycler.com

American Recycler is published 12 times per year, postage paid at Columbia, Missouri.

SUBSCRIPTIONS: Call our offices at 877-777-0737 or visit www.AmericanRecycler.com. US 1 year \$48; 2 years \$72.

© COPYRIGHT 2010 by American Recycler. All rights are strictly reserved and reproduction in whole or in part is prohibited without prior written permission from the publisher.

Submission of articles, artwork and all photography must be accompanied by a self-addressed stamped envelope if a return of materials is wanted. Byline contributors’ views should not be construed as representing the opinion of the publisher.

American Recycler reserves the right to edit any and all material submitted for publication. All Letters to the Editor must be signed and include a telephone number for verification. The editor of this publication does not accept responsibility for statements made by advertisers herein.



PRINTED ON RECYCLED PAPER

Shopping for equipment!?

Trust **MOLEY MAGNETICS** for quality!

TITANIUM SHEARS

Mobile Hydraulic Shears from 1 to 10 tons.



MAGNETS



ESA Fully Enclosed Hydraulic Magnets

Conventional DC Magnets 30" to 72"



24v DC Battery Operated Magnet

GEN-SETS



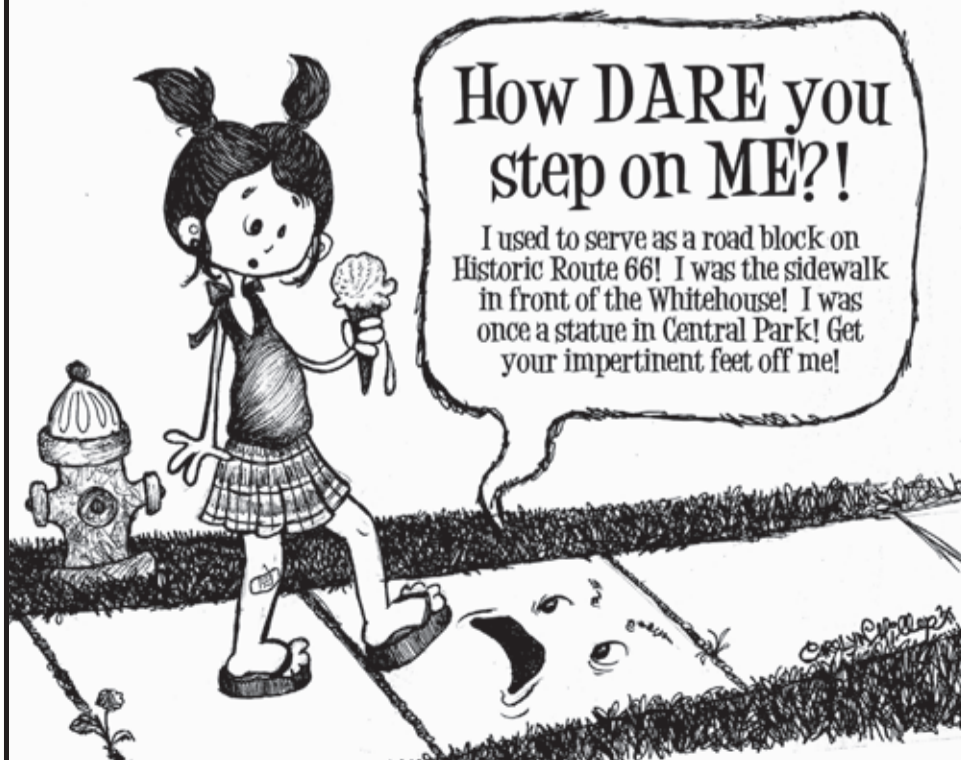
Gen-sets
Diesel or hydraulic gen-sets from 5 to 20 kW.

Call Now!

MOLEY MAGNETICS

www.MoleyMagneticsInc.com
716-751-6565 or cell 716-417-2591

Why it's good that recycled concrete can't talk:



How DARE you step on ME?!

I used to serve as a road block on Historic Route 66! I was the sidewalk in front of the Whitehouse! I was once a statue in Central Park! Get your impertinent feet off me!

Alcoa Foundation partners in campus recycling challenge

Alcoa Foundation joins forces with national nonprofit Keep America Beautiful (KAB) to educate the next generation of recyclers through RecycleMania, an intense university-based competition that runs from February 6 through April 2, 2011. Rounding out the partnership are additional activities to promote recycling on individual and institutional levels.

- 13 universities won a portion of 50,000 recycling bins.

- For every download of Alcoa's Aluminate recycling app, \$1 is donated towards a \$50,000 grant for KAB's recycling programs.

- Recorded webinars will reach more than 400 members of the College and University Recycling Coalition (CURC), NGOs and other community-based groups with insights into recycling different waste streams.

- Best practices for recycling will be on display and at work as colleges and universities compete to see who can reduce, reuse and recycle the most waste.

RecycleMania aims to change behavior about recycling and raise awareness about waste reduction programs on campuses. In 2010, 607 participating colleges and universities participated in the challenge, and collected more than 84.5 million pounds of recyclables and compostable organics. This prevented the release of 137,500 metric tons of carbon dioxide equivalent into the atmosphere.

Over the 10 week competition, colleges and universities will vie for top awards in 9 categories to see who recycles the most on a per capita basis, who pro-

duces the least amount of waste, and who recycles the largest percentage of their overall waste.

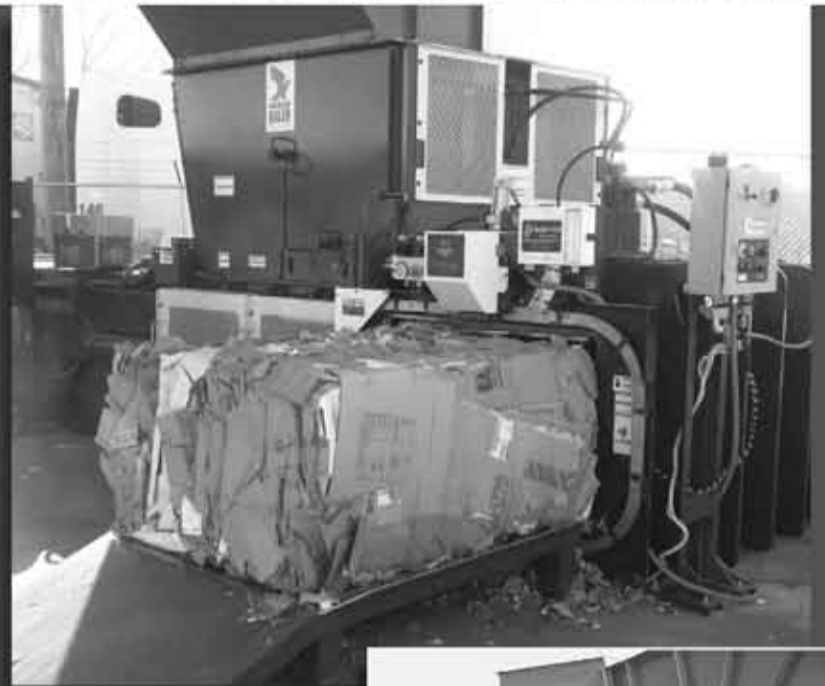
Alcoa Foundation sponsored 50,000 recycling bins and helped kick off the challenge by awarding 13 universities across the United States with stackable, 6-gallon bins appropriate for use in student housing and offices. The schools were selected based on their ability to develop a strategic plan to collect the most recyclable materials.

The recipients are:

- Carnegie Mellon University
- Clemson University
- Florida A&M University
- Franklin College
- Howard University
- Kansas State University
- The Ohio State University
- University of Evansville
- The University of Tennessee
- The University of Texas-Arlington
- The University of Texas-San Antonio
- Temple University
- Trinity University

The KAB partnership further reinforces Alcoa and Alcoa Foundation's commitment to increasing recycling across communities. Alcoa set a goal to increase recycling rates in America to 75 percent by 2015. Since 2008, Alcoa has distributed more than 100,000 recycling bins, launched the Make an Impact program to help families live more sustainably, developed the free Aluminate™ recycling app, and in the last five years, invested nearly \$3.5 million in community-based recycling programs.

YOUR SOLUTION



For over 60 years, **American Baler Company** has been constructing more than equipment. We are engineering advanced solutions that will most effectively serve your business operations. From OCC and shredded documents, to non-ferrous and mixed materials, our low-volume to high-production balers have the ability to process materials efficiently and provide the most optimal results for your productivity. Our balers yield denser bales and deliver the **lowest total cost** per bale - every time.

The **difference** is in the name.



RAM II Wide Box Series Baler



americanbaler.com • sales@americanbaler.com
800.843.7512 • Bellevue OH

Maurer Manufacturing

Gondola Trailer

44' & 48' Trailers Available with HARDOX® 450

The lightweight alternative for hauling scrap

Standard Features

- Choice of 4', 5', 6', or 8' side walls
- 22.5K tandem axles with 1 Axle ABS brake
- 3 Leaf heavy duty spring suspension, closed tandem
- D.O.T. approved conspicuity tape and rubber mounted lights
- Manifest holder
- Anti-sail mudflaps
- Sealed wiring system - designed for Maurer by Trucklite
- 2-speed landing gear
- PPG Polyurethane primer with PPG Urotec paint
- Phosphate washed for superior paint adhesion

Lakes Enterprises, INC. DBA
Maurer Manufacturing

www.maurermfg.com
888-274-6010

Greater Bakersfield holds Green Expo

Joins forces with the Great American Clean Up

The Greater Bakersfield Green Expo of 2011 will join forces with the Mayor's Great American Clean Up. The expo will showcase the recycling and alternative energy businesses throughout Kern County, California.

There are two focuses – student education through a green art and science competition and public education by green vendors.

Last year's event was a success. Many students created art from recycled materials. Some of the student-recycled material artwork was sent to Sacramento to be displayed during the State of California press conference for Earth Day at the State Capital. Nine pieces of art were displayed. Executive director Margo Reid Brown for Calrecycle requested that an 8-foot tree made out of 1,000 newspaper sheets be displayed in the Sacramento Building Foyer.

Student involvement was generated through both Kern High School District and Kern County Superintendent of Schools, who made information available to all 44 high school principals and art and science department heads. The event website (www.gbgreenexpo.org) and e-mail (gbgreenexpo@live.com) are the information points for all student and vendor needs. Working with the local Chamber of Commerce and Founding Sponsors, potential vendors are invited to participate, with the knowledge that their vendor fees go to student scholarships and not toward operational expenses.

This year's Greater Bakersfield Green Expo will be held in April.



C&D recycling

Continued from Page 4

tomers in preparing project specific waste management reports.

"Recovery largely depends of the composition of the incoming load, but because this company was set up from the demo contractor's point of view, we designed the facility to handle that type of material. On a LEEDs job, for example, with material coming off a construction site, we are typically running a 75 to 80 percent recovery rate of marketable secondary products. If we get a house cleanout with a lot of non-salvageable material like old carpeting, we may only get a 20 to 30 percent recovery," said Cohen.

The Devens recycling process

Material is usually trucked in by roll-off containers or 100 yard trailers. Loads are weighed at a scale house both at arrival and departure. Incoming loads are moni-

tored by security cameras and radiation detection equipment to help ensure that hazardous material is not delivered.

"If they are a regular customer, their profile is already in our computer system along with pre-negotiated rates. People who have never been here before are usually cash customers and charged our regular gate rate. We ask where they are coming from and we record that information," Cohen explained.

All material is tipped in Devens' building so no material is lost and all debris is contained within the structure. There are 6 bay doors, each 50 foot high, to handle all sizes of trucks and containers. "We have separate doors for C&D and MSW, and keep the streams separated by a concrete block wall," said Cohen. "There is a rail spur inside the building which acts as a loading area for outbound shipments via both rail and over the road.

"Loads are tipped on our concrete floor. A licensed asbestos inspector goes through the pile to make sure it is clean, or

segregates hazardous waste for proper disposal."

The material is reviewed for landfill banned items, such as tires and cathode ray tubes (CRTs). Banned items are recorded and customers are charged extra for those disposals.

On the tipping floor, Bobcats are used to sort larger items such as such as lumber, metals, steel I-beams and large sheets of wallboard.

After rough sorting, the material is pushed into a feeder pile and a grapple excavator loads it onto a multi-process conveyor belt system. It has shakers and star screens that separate the material by size. Smaller debris runs over a magnet to pull out ferrous metals. A forced air de-stoner separates heavy material such as stone, asphalt, brick and concrete. Lighter material that is blown out by the de-stoner usually contains a large percentage of wood which is later ground for boiler fuel.

Larger materials go through manual picking stations with bunkers for cardboard, wood, plastics, aggregates and metals. "By the time the feedstock gets to the end of the line, anything falling off is unrecyclable residuals that are landfilled," said Cohen.

Recovered wood is sent to a grinder, which also removes nails and other ferrous metal. Ground wood is marketed to manufacturers of particle board and used for agricultural, landscape and miscellaneous products. Much of the ground wood is transferred out of state to be used as feedstock for boilers and waste-to-energy

plants. As a source separated material, MassDEP currently has a moratorium on in-state use of C&D wood as a fuel.

"We can recycle metals here, but markets are strong wherever you go. We don't have a concrete crusher; rather we send it out to a crusher and it mostly goes for road-base. There are costs for us associated with concrete disposal, but nowhere near the landfill tipping costs."

"Massachusetts is great about thoroughly regulating what does and does not go into state permitted landfills. However, there is a significant void of markets for C&D materials. So the processors are caught in the middle because we can't landfill the material here and there are no markets in the state," Cohen lamented.

MassDEP master plan

Jim Coleman at MassDEP outlined the state's long term strategy: "Since 1990, our overall waste management plan has been reduce, reuse and recycle. We want to reduce waste for a whole host of reasons, economic and environmental. Whether we had a lot of landfills or not so many, we would still be taking that approach. Clearly, our draft solid-waste master plan that we put out for public hearings last summer recognizes the fact that there is less disposal capacity in Massachusetts than we need. It is our intent to make up that difference over the years by reducing, reusing and recycling. There are many options including producer take-back responsibility programs, but overall we just want to reduce the amount of waste that is disposed."

Is recurring fork failure becoming an issue?

Cracks and wear are the first signs of fork failure but lack of preventative maintenance and daily inspection normally leads to catastrophic failure at the most inopportune times.

This increases downtime and causes added operating expenses. Work takes longer and is more difficult to do with bent or worn forks.

www.sasforks.com



SAS Forks are manufactured to allow the user to maintain them for extended life. Simply inspect and replace skid plates on the carriage to prevent wear. Forged steel blades are completely replaceable. Proper maintenance means forks that last decades. For more information contact an SAS representative today or log on to

Get your FREE inspection forms at www.sasforks.com/inspect

Northeastern USA 888-450-1224
Brian@sasforks.com

Eastern USA 877-727-3675
Paul@sasforks.com

Western USA 877-727-3675
Adam@sasforks.com

www.sasforks.com



SuperShear

Building the best catalytic removal tool for over 20 years!

Our products are Powerful, Simple & Easy-to-Use!



12-Volt SuperShear

110-Volt SuperShear



Gas SuperShear



Our THREE hydraulic models are fast, safe & effective!

We also offer a De-Canning Shear!



Don't buy a copycat, buy the Original SuperShear!

800-999-8100 or 480-789-3893

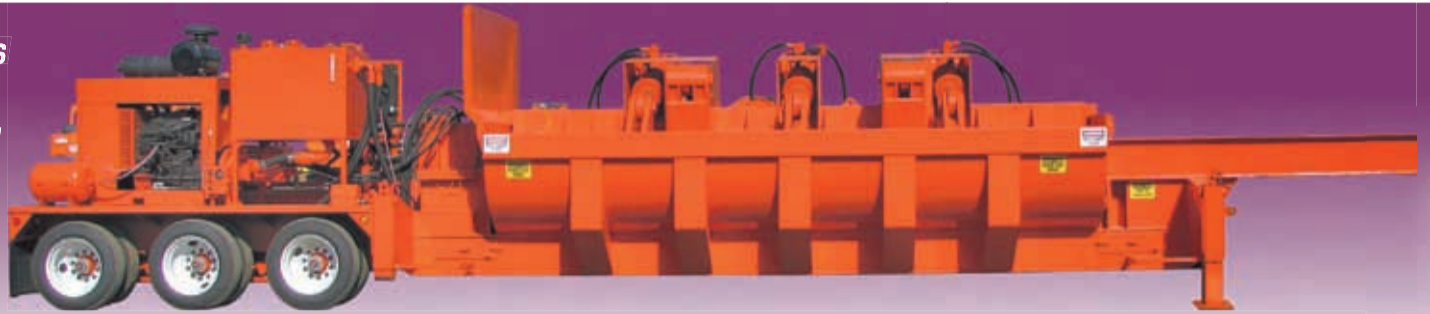
supershears.com / NEW fax# 480-304-4870

EQUIPMENT FROM IRON AX

IRON PACK BALER

Remote Control • Automatic Cycle

*All it takes is
ONE minute
to bale a car!*



IRON AX ENVIRO-RACK

The Enviro-Rack is the most superior auto fluid removal and dismantling system on the market today.

Complete fluid removal in less than 5 minutes!



Toll-free 877-247-6629
Fax 478-252-9030
Wadley, Georgia



Recycling Equipment Sales, Inc.
Website: www.ironax.com
E-mail: ironax@ironax.com

DOOSAN EXCAVATOR | IRON AX SHEAR PACKAGES

All shears feature
360° continuous rotation.



DOOSAN MATERIAL HANDLERS

For quick, constant, and consistent scrap-handling applications that require extensive reach, maximum visibility and stability, nothing can compare to a material handler that we design and produce.



**ASK ABOUT OUR
GRAPPLE SELECTION**

AN ENTIRE LINE OF QUALITY AND POWER

OTHER MACHINES AVAILABLE

SPECIAL RATES, BUY NOW

IF YOU NEED A CARPET STEWARDSHIP PLAN, YOU'RE NOT ALONE.

The era of AB 2398 has begun. To comply with the new California law, all carpet manufacturers must register and submit a stewardship plan to CalRecycle. Fortunately, you don't have to do it alone.

You can participate in the stewardship plan developed by Carpet America Recovery Effort (CARE). We can ensure that you comply with CalRecycle's requirements.

As of April 1, 2012, retailers and wholesalers will only be able to sell from manufacturers who are in compliance with AB 2398.

So act now.

To participate in CARE's stewardship plan, go to www.carpetrecovery.org or call 706-428-2127.



Importance of quality wire in baling operations

by Gary Peck, Jim Brun, Steve Foust, Steve Kirby, Leggett & Platt Wire Tie Systems

Here is the truth: Quality wire is intrinsic to the success of any baling process. Given that wire can be a relatively inexpensive part of recycling (compared to balers and wire tie devices), it may not be considered as carefully as other components in the business. But wire quality is critical. As a consumable, quality wire is a significant factor to a well-tuned system and companies that choose the wrong wire may face consequences. Low-quality wire or wire that is wound incorrectly can tangle and cause feeding problems that result in downtime – at a cost that can be as high as \$5,000 per hour.

This article provides recycling owners and operators with insights on best practices for choosing high-quality wire and tips to avoid wire-associated downtime.

Wire 101

There are two types of wire used in the baling process: black annealed and galvanized wire.

Black annealed wire is softer than galvanized because of lower carbon content. Galvanized wire has a higher tensile strength and generally has a

lubricating corrosive-resistant wax coating on it. Galvanized wire can hold a larger, more dense bale with a fewer number of straps. The type of wire and baler that a company uses is largely dependent on the type of materials being recycled, the size of the bales being produced and the amount of bales produced per day. But to eliminate the guesswork, the baler manufacturer should make a recommendation on the type and gauge (size) of wire to use with their product when it is purchased.

What to consider when choosing wire

•Consistency is key – When purchasing galvanized wire, run your fingers along the wire. If you feel any clumps (like a chain link fence) or thick galvanization, it is not a high-quality product. The wire should be consistently smooth and shiny, and should have a consistent lubricant and anti-rust zinc coating. Also consider the consistency of the roundness (diameter) of the wire. This will ensure a uniform application in the baling process.

At this point, you might wonder why consistency of the wire is so important. When consistent, high-quality wire seamlessly feeds through the equipment and it is much less abrasive to the wear parts. Wear parts are designed to receive a consistent diameter of wire, and if the wire is inconsistent it can cause problems for the machine. Most notably, the wire can fracture and cause downtime. Additionally, the fractured wire can cause injury to the skin or eyes if it is detached from the machine and the operator is not properly protected. Further, inconsistent coatings on the wire can gum up the tracks in the wire tying machine, also causing downtime.

Consistency within the individual coil and the lot of material decreases tier adjustment needs while increasing the overall efficiency of the baler.

•Consider how the wire is packaged: If an operation is currently using boxed wire (50 or 100 pounds each), it may achieve considerable savings simply by switching to wire carriers. Boxed wire can run out approximately every six hours. That means the box needs to be changed that often, which is unsustainable and inefficient. Switching to carriers (that hold more wire) allows companies to operate without changing wire for several days. In addition to the increase in efficiency, this method also produces less waste.

It's important to note, though, that not every facility can switch to carrier wire. Smaller facilities may not be able to justify the switch. This tactic will usually work best for higher volume operations, but it's important to consider the individual circumstances before making a switch.

•Fanning the wire: When considering packaging, make sure the wire is properly wound. Improperly wound wire can cause feeding problems and tangles. Taking five minutes to 'fan' the wire before threading the machine can save hours of downtime. To fan the wire, follow these steps:

1. Pick up the first 15 loops. Make sure the wire remaining on the carrier is straight and tangle-free. If it is not, pick up more loops.

2. Hold the loops in one hand, with the bottom loop being nearest to the carrier. Using the other hand, separate the bottom loop.

3. Place the loop back around the carrier. Repeat for the remaining loops.

4. The last loop, the end of the wire, can now be fed into the machine.

Always purchase from an official supplier: Cost-savings are top-of-mind for everyone these days. But the cost-savings gained from purchasing materials from un-official suppliers are not worth the headaches often associated with using substandard wire. "Off-shore" sellers are out there. They sell wire that may or may not have defects at a cheap price. Many times, the wire is not packaged correctly and it can get tangled – resulting in frustration and downtime for your business. These suppliers aren't consistent, either – they come in and out of the marketplace.

What to look for in a supplier

When evaluating suppliers, consider companies that have invested in wire. For example, wire shortages occur from time to time. Companies that consistently invest in wire will never run out of it – even during a shortage. Optimally, recyclers will get the most value and confidence from companies that produce both wire tying machines and wire, as they have the best resources on hand (metallurgists, packing engineers, Six Sigma Black Belts and others) that can help solve problems, answer questions and produce the best quality product.

If considered carefully, quality wire can help recyclers save money and maintain a consistent level of productivity. High-quality wire can be an investment that will see returns in the form of improved efficiency, fewer incidences of downtime, long-run cost savings.

We sell McIntyre Alligator Shears
Strip-Tec Wire Strippers & Wire Granulators

Our 20th Year - Thanks to You!

Call Shaughnessy
Hamburg, NY

800-549-0490
mobile 716-913-1600 716-646-4133 USA, all 50 & CAN
CALLSHAUGHNESSY.COM

We rebuild all
Hi-Density BRIQUETTERS

★ NONFERROUS BALERS ★
closed door, large bore cylinders, reconditioned,
under \$56k!

Al-jon 400 Logger Baler. VERY, VERY NICE! Call.
S.A.S. Engine Puller - Nearly New! \$29,500.
We need logger balers for rebuild! Call with details.
AVAILABLE IMMEDIATELY! RECONDITIONED:
FLATTENER BLOWER - CP200

Car Crushers – GREAT BUYS:
Al-jon 20 w/NEW REMOTE. Good Cond., Call!
MAC PORTABLE. Late 80s, runs, as/is for under \$50K.

E-Z Logger w/Crane, under \$50k
7", USA-made. 220v. NEW #7
Hydraulic Alligator Shear
\$5,000 FREE freight, lower
48, FREE freight ends 1/15/11!

NEW 8" ALLIGATOR SHEARS:
in-stock and on sale!

AL-CAN DENSIFIER: CP1000, Completely Reconditioned.
Hammermill Shredder, Small Complete System Call!

WE NOW OFFER HIGH QUALITY
★ Grapples & Magnets ★
WITH FAST DELIVERY!

New Low Price. Lower pressure ALLIGATOR
SHEARS – Ideal for radiator cleaning, etc.

Horizontal Balers, WIDE MOUTH, some with
conveyors, AVAIL. NOW, as is or RECOND.!

Large selection of GOOD, used DOWNSTROKE balers.

WE NEED REBUILDABLE
ALLIGATOR SHEARS
& Aluminum Can Densifiers!

Equipment MANUALS Available - CALL

Heineken uses iconic bottle

Heineken announced the roll-out of a new iconic Heineken bottle, completing the redesign of its global brand packaging range. The restyling aims to streamline the visual identity and make the brand even more consistent and recognizable in all 170 markets worldwide where Heineken can be enjoyed. The new bottle will come in five different volume sizes and will be available in Western Europe at the beginning of 2011 and across the rest of the world by 2012.



The new bottle, replacing the extra long neck and Heineken shortneck packaging, is introduced in two versions: embossed and standard. The new design features a unique curved embossment on the neck and back, which not only looks good, but also adds a pleasing to-the-touch feel, whilst a distinctive embossed mark acts as a stamp of quality and authenticity.

The new packaging visual identity includes updates to key brand elements including an ellipse curve, derived from Heineken's iconic racetrack logo.

METALS

Import permits for finished steel up 11 percent in January

Based on the Commerce Department's most recent Steel Import Monitoring and Analysis (SIMA) data, the American Iron and Steel Institute (AISI) reported that steel import permit applications for the month of January totaled 2,011,000 net tons (NT).

This is the first time the applications have broken the two million ton mark since last September. This was an 8.6 percent increase from the 1,852,000 permit tons recorded in December and an 11 percent increase from December preliminary imports total of 1,811,000 NT.

Import permit tonnage for finished steel in January was 1,602,000 NT, up 11 percent from the preliminary imports total of 1,445,000 NT in December. January 2011 total and finished steel import permit tons would annualize at 24,128,000 NT and 19,226,000 NT, up 1 percent and 2 percent, respectively, from the 23,868,000 NT and 18,787,000 NT imported in 2010.

Deeley joins Upstate Shredding

Adam Weitsman, president of Upstate Shredding – Ben Weitsman & Son, announced that Samantha Deeley has joined his organization as scrap metal buyer. Deeley will head the company's newly established industrial scrap metal division.

Before joining Upstate, Deeley spent eight years with BorgWarner Morse TEC holding graduating positions from production planner to master scheduler for the automatic transmission and transfer-case chain manufacturer.

Finished steel imports in 2010 show a 33 percent increase versus 2009

Based on preliminary Census Bureau data, the American Iron and Steel Institute (AISI) reported that the United States imported a total of 1,811,000 net tons (NT) of steel in December, including 1,445,000 NT of finished steel (up 1 percent and down 3 percent, respectively, from November final data).

Full year total and finished steel imports in 2010 are 23.8 and 18.8 million NT, respectively, up 47 percent and 33 percent vs. 2009. In the first half 2010, finished steel import share hit a high of 24 percent in July, and remained above 20 percent for the rest of the year. For full year 2010, finished steel import market share was an estimated 21 percent.

Key finished steel products with significant import increases in December 2010 compared to November include cut length plates (up 37 percent), hot rolled bars (up 25 percent) and line pipe (up 17 percent). Many key finished steel products also registered large import increases for full year 2010 versus the

Schnitzer's Pick-n-Pull acquires Ferrill's Auto Parts of Seattle

Schnitzer Steel Industries, Inc. has entered into a definitive agreement to acquire substantially all of the assets of Ferrill's Auto Parts, Inc. of Seattle, Washington, which does business as Pull A Part. This acquisition of three self-service facilities will become part of the company's auto parts business and operate under the "Pick-n-Pull" brand.

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

	DEC 2010	NOV 2010	2010 Annual (est)	2009 Annual	% Change 2010 Annual vs. 2009
SOUTH KOREA	165	153	2,011	1,323	52.0%
JAPAN	101	103	1,324	981	35.0%
GERMANY	65	69	879	495	77.7%
CHINA	55	70	849	1,463	-42.0%
INDIA	26	46	713	581	22.6%
TURKEY	20	37	582	492	18.3%
NETHERLANDS	65	64	554	375	47.8%
All Others	948	955	11,886	8,470	40.3%
TOTAL	1,445	1,497	18,797	14,179	32.6%

year before, including wire rods (up 73 percent), hot rolled bars (up 56 percent), oil country goods (up 48 percent), plates in coils (up 40 percent), hot rolled sheets (up 38 percent) and hot dipped galvanized sheet and strip (up 37 percent).

In December, the largest volumes of finished steel imports from offshore were from South Korea (165,000, up 8 percent), Japan (101,000 NT, down 2 percent), Germany (65,000 down 6 per-

cent), The Netherlands (65,000 NT, up 2 percent) and China (55,000, down 21 percent). For full year 2010, the largest volumes of finished steel imports from offshore were from South Korea (2 million NT, up 52 percent), Japan (1,324,000 NT, up 35 percent), Germany (879,000 NT, up 78 percent), China (849,000 NT, down 42 percent) and India (713,000 NT, up 23 percent).

Timken adds inline forge press

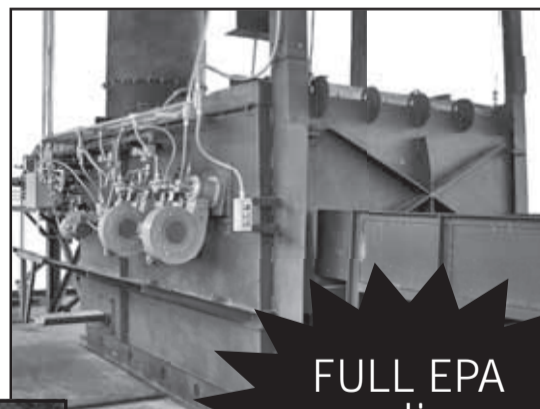
The Timken Company plans to invest approximately \$35 million to install a high-volume, in-line forge press at its Faircrest rolling mill facility in Canton, Ohio. This investment comes on the heels of the \$50 million commitment in capital

improvements initiated at the end of 2010 at its other steel facilities in Canton.

Slated to begin operation in early 2013, the addition of the in-line forge press will generate value, lower costs and expand product capabilities.

INCREASE PROFITS with the most efficient sweat furnace!

With a US Furnace's MAX-4000 Hi Efficiency Sweat Furnace, customers report that charges of 50% recovery material are producing 1,250 to 1,500 lbs. metal out per hour at a cost of \$0.03 per pound for fuel.



FULL EPA compliance GUARANTEED.



- Permit assistance available.
- Built for years of continued service.
- Large hearth opening for automotive scrap.
- New technology burner and control systems.



RECYCLING SERVICES INTERNATIONAL

518-424-1168

www.RecyclingFurnaces.com

Scrap Metals MarketWatch



Commodity		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
#1 Bushelings	per gross ton	\$345.00	\$329.00	\$352.00	\$410.00	\$470.00
#1 Bundles	per gross ton	340.00	329.00	352.00	400.00	460.00
Plate and Structural	per gross ton	370.00	325.00	395.00	390.00	435.00
#1 & 2 Mixed Steel	per gross ton	370.00	350.00	372.00	375.00	415.00
Shredder Bundles (tin)	per gross ton	313.00	350.00	329.00	340.00	312.00
Crushed Auto Bodies	per gross ton	313.00	350.00	329.00	340.00	312.00
Steel Turnings	per pound	180.00	155.00	220.00	295.00	287.00
#1 Copper	per pound	3.99	3.49	3.95	4.10	4.04
#2 Copper	per pound	3.79	3.31	3.60	3.83	3.75
Aluminum Cans	per pound	.67	.70	.81	.86	.90
Auto Radiators	per pound	2.26	2.02	2.20	2.20	2.18
Aluminum Core Radiators	per pound	.71	.59	.68	.72	.75
Heater Cores	per pound	1.30	1.69	1.84	1.86	1.93
Stainless Steel	per pound	1.09	1.12	1.06	1.14	1.15

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.

METALS

Theft alert system helps recover stolen property

A brazen art heist in the Washington, D.C. area was solved thanks to an alert posted by the scrap industry's online theft alert system.

ScrapTheftAlert.com is a free theft notification web site that allows police to send detailed descriptions of stolen items to recycling operations and other law enforcement within a 100-plus mile radius of a theft. The system also allows scrap processors to alert law enforcement when they are offered suspicious materials at the scrap yard. The system currently has over 7,000 subscribers. Nearly 2,500 law enforcement professionals in the United States and Canada are registered to use the system.

Five bronze sculptures were stolen from a museum in Montgomery County, Maryland. The theft was noticed and reported to police. An employee of the

Institute of Scrap Recycling Industries (ISRI) based in Washington, D.C., heard a report of the theft on a local news radio station. ISRI employees posted an alert for the missing material.

The employees at Montgomery Scrap Corporation read the alert, recognized the materials that had been sold to the scrap yard and contacted Montgomery County police. The materials had not been initially recognized as artwork because the bronzes had been damaged prior to being offered for sale at the scrap yard.

To aid the investigation, Montgomery Scrap Corporation also supplied police with a copy of the drivers' license of the seller which lead to the police issuing an arrest warrant.

For more information and to subscribe to the nationwide theft alert system, visit www.scraptheftalert.com.

PSC Metals takes steps to expand in Missouri and Ohio

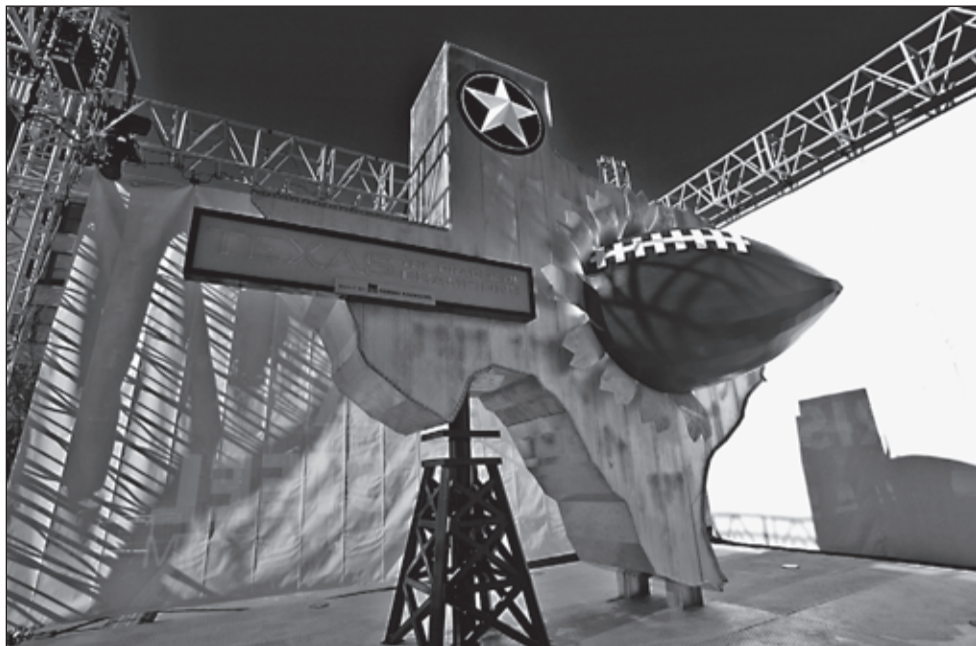
PSC Metals, Inc., announced a series of steps to expand its operations in Missouri and Northeastern Ohio.

In Missouri, M W Recycling, LLC, a wholly owned subsidiary of PSC Metals, Inc., acquired the assets of Cash's Scrap Metal & Iron Co. The company will continue to operate under the Cash's Scrap Metal & Iron name.

In Ohio, PSC Metals has purchased Mitco Trucking Co., based in Norton, and Warmington Road Recycling Co., based in Massillon.

Mitco Trucking, in operation since 1988, has a four-acre terminal in Barberton, Ohio. Warmington Road Recycling will serve as a feeder yard for PSC Metals' existing shredders.

Gerdau Ameristeel builds monument honoring football



Fort Worth, Texas, unveiled a seven-ton monument built by Gerdau Ameristeel, honoring the tradition of Texas high school football in Fort Worth's Sundance Square. The ceremony included appearances by Fort Worth Mayor Mike Moncrief, Dallas native and professional football legend Tim Brown, and David O'Brien, son of college football icon Davey O'Brien.

The Cradle of Champions monument, made entirely of repurposed steel, lists nearly 2,000 names of former Texas high school football players who have successfully reached "The League." The monument, which illuminates Fort Worth's downtown district, depicts the state of Texas along with football

imagery to pay homage to the rich history of football in the Lone-Star State.

Gerdau Ameristeel utilized steel from the demolished stadium in North Texas with steel scraps donated from high school football facilities across the state. Processed and reborn at the company's steel mini-mill in Midlothian, Texas, the steel was melted and repurposed to create the 16 feet high legacy structure weighing more than 7 tons.

The "Cradle of Champions" monument was designed by Tampa-based Schifino Lee and fabricated by Fort Worth-based Thornton Steel. The structure will stay in North Texas and stand as a tribute to the widespread talent of Texas' young athletes.

CMC reports voting results

Commercial Metals Company (CMC) announced the voting results of its Annual Meeting of Stockholders, held in January in Irving, Texas. The company's stockholders elected the following four individuals to serve as directors until the 2014 Annual Meeting of Stockholders and until their successors are elected:

•Robert L. Guido – Former vice chair and chief executive officer of Ernst & Young's Assurance and Advisory Practice; director of Bally Technologies, Inc.

•Sarah E. Raiss – Executive vice president corporate services, Transcanada Corporation, Calgary, Alberta, Canada.

•J. David Smith – Former chairman, president and chief executive officer, Euramax International, Inc.;

•Robert R. Womack – Former chairman and chief executive officer, Zurn Industries, Inc. and former chief executive of U.S. Industries Bath and Plumbing Products Group.

MONSOON

THE WORLD'S MOST AFFORDABLE DUST SUPPRESSION SOLUTION.



Demolition Sites / Scrap Yards / Landfills / Waste Transfer / Construction
Composts / Aggregate Recyclers / Torch Areas / Smoke Control
Powered By: Gasoline / Diesel / Electric / Hydraulic / PTO

www.buffaloturbine.com

BUFFALO TURBINE

180 Zoar Valley Road, Springville, NY 14141 / Ph: 716.592.2700

All Buffalo Turbine products are manufactured in the U.S.A. and feature a one year warranty.



Institute of Scrap Recycling Industries, Inc.



WE BUY SCRAP ALUMINUM WHEELS

Highest Prices, Friendly Service, Prompt Payments!



Call Myra for a price quote:

888-834-2673

msmith@heartlandaluminum.com

Serving the Secondary Aluminum Needs of the Automotive Industries.



HEARTLAND ALUMINUM, INC.

www.heartlandaluminum.com

mail@heartlandaluminum.com / FAX (877) 375-4651

Warren, Indiana



RUBBER

Nevada paves interstate with rubberized asphalt

The Nevada Department of Transportation (NDOT) recently announced they will pave a major section of Interstate 15 (I-15) with a rubber paving material.

This material, rubberized asphalt (RA), is a hot mix paving material that utilizes crumb rubber made from waste tires.

The section to utilize the rubber paving material is a high-profile area consisting of both the north- and south-bound lanes of I-15, from the I-95 interchange to Russell Road that parallels the Las Vegas Strip. With the extreme amount of traffic and the close proximity to the strip, noise reduction had to play into the decision by NDOT to use RA. According to the Rubber Pavements Association (RPA), a non-profit industry association that supports the greater use of RA, one of the big benefits of RA is that it helps create a significantly quieter roadway.

It is estimated that the I-15 project will utilize crumb rubber processed from over 100,000 waste tires. This, along with another RA project Clark County is planning, will help to put the 1.5 million waste tires generated annually in southern Nevada to good use.

The movement toward using the sustainable material for paving roads had to do in part with a tire recycling bill sponsored by Nevada State Senator Allison Copenig during the 2009 legislative session, which required tire distributors to recycle their waste tires rather than dump in landfills. "In addition to the sustainable aspect of using crumb rubber for road projects, this highway project is desperately needed to help keep Nevadans employed," stated Copenig.

Tire International engages banker for debt financing

Tire International Environmental Solutions, Inc., a tire recycling and finished consumer and industrial product company, has engaged Stone & Youngberg, LLC, of New York for assistance in structuring and marketing a debt offering as part of its project financing.

The project financing will allow the company to establish United States facilities to recycle tires and manufacture recycled rubber products currently produced in China for consumer and industrial use throughout North America. The proposed debt financing would provide \$20 million of net proceeds to acquire, equip and operate the new facilities.

Tire International announced in January that it has agreed to acquire Tonmik Import Export Solutions, Inc., a Montreal-based distributor of recycled rubber products that are currently manufactured at its facilities in China. The company intends to develop a fully integrated scrap-tire-to-finished-product tire recycling business in the United States.

California utilizes rubberized asphalt concrete for safety

Poor weather and deteriorating roadways can contribute to car accidents, but a tire-derived paving material being promoted in California may help make roads safer.

According to the California Highway Patrol's most recent Report of Fatal and Injury Motor Vehicle Traffic Collisions, more than 6,500 accidents that occurred in California in 2008 happened during bad weather. Through its Green Roads campaign, the Department of Resources Recycling and Recovery is promoting a type of pavement called RAC (rubberized asphalt concrete) that has been shown to resist deterioration and improve safety in bad weather conditions all while putting to use thousands of tires that would otherwise end up in landfills.

RAC is made from a combination of asphalt and crumb rubber that's derived from ground up waste tires. RAC offers a number of advantages over traditional asphalt in road applications: the surface stays a darker color longer, which improves driver visibility by providing excellent contrast between road surface and markings; it reduces splash during

wet conditions and is skid resistant; and it is more durable and long-lasting than regular pavement. RAC also saves money because it can be applied at half the thickness of traditional pavement, and also requires fewer repairs.

In addition, RAC offers an environmental benefit through the reuse of discarded tires. California generates more than 40 million waste tires every year and while most are recycled, about 11 million end up in landfills, illegal stockpiles, or illegally dumped. Recycling tires and using them in construction and paving projects instead is good for the environment and saves landfill space.

RAC has been used successfully for 30 years, not only in California, but across the country. In Texas, RAC was used in a region where frequent precipitation contributed to high automobile collision rates. A 2003 study conducted by the Texas Department of Transportation one year after RAC was applied found a 43 percent reduction in major accidents under all weather conditions, and a greater than 50 percent reduction in accidents on wet days.

Missouri cleans up 16 million tires

The Missouri Department of Natural Resources' tire dump clean up efforts have resulted in the removal of more than 16 million scrap tires.

Since 1990, when the tire dump clean up effort began, more than 983 sites have been cleaned up, resulting in the removal of more than 16 million scrap tires.

In 2009, 1.75 million tires were used as tire-derived-fuel in power plants and cement kilns. The department is also working with the Missouri Department of Transportation to promote the use of scrap tires in asphalt for Missouri's roadways.

The Department of Natural Resources has conducted several scrap tire clean up campaigns since 1990, each targeting different size scrap tire sites, beginning with the largest. The most recent, the Tire Dump Roundup Program, began in November 2006. This program does not seek reimbursement for cleanup costs of eligible sites.

To qualify for this program, a site must contain between 500 to 10,000 tires. Active businesses and prior program recipients are not eligible for this program. The department continues to work with Missouri's solid waste management districts, cities, and counties coordinating tire roundups, and encourages and reimburses nonprofit citizens groups in cleaning up dumpsites that contain fewer than 500 tires.

The Scrap Tire Fee, a \$.50 per tire fee charged on every new tire purchased in Missouri, funds the clean ups. The fee will expire on January 1, 2015, unless extended by the legislature.

The department estimates there are more than 231,000 tires remaining to be cleaned up throughout the state in 185

Recycling Bin Grant Program announced

The Coca-Cola Company and Keep America Beautiful, Inc. (KAB) announced the Coca-Cola/KAB Recycling Bin Grant Program, an effort designed to promote and support community recycling.

Grant recipients receive both donated recycling bins and expertise on how to set up recycling programs from Keep America Beautiful. This bin grant program is part of KAB's larger Public Space Initiative, an effort among KAB and its sponsors, such as Coca-Cola, to enhance the access to and convenience of recycling away from home. The grant program is also part of a \$60 million investment by The Coca-Cola Company in recycling initiatives in the United States.

The spring 2011 grant cycle opened February 14. Interested parties should visit www.bingrant.org and submit an online grant application through March 18, 2011. Eligible grant recipients include government agencies, civic organizations, schools and nonprofit groups. Successful applicants will be notified on or before April 15.

Since its inception in the fall of 2007, the Bin Grant program has placed more than 16,000 recycling bins in 320 communities in 48 states and the District of Columbia. Previous recipients have included municipalities, colleges, Native American tribes and community-based NGOs.

THE ATTACHMENT SPECIALISTS



DEMO-MAG™

THE SEPERATION SOLUTION FOR SORTING FERROUS METALS FROM CONSTRUCTION WASTE







Self Contained Diesel Drive or Hydraulic Drive with the Best Reliability on the Market




www.batemanmanufacturing.com

CALL US TODAY 705-326-4020

BATEMAN



New Generator Line for 2011

INTRODUCING:

**R.M. JOHNSON'S NEWEST
E-Z CAR CRUSHER, THE
H.O.S.S.
HIGH OPENING - SUPER SPEED**

BUILT-IN FEATURES INCREASE PRODUCTIVITY AND ENHANCE SAFETY

Fully-enclosed Crushing Chamber

Full-control Remote
Automation

Super Speed
Performance



BUY FROM A NAME YOU KNOW AND TRUST



R.M. Johnson Co. • Annandale, Minnesota

800-328-3613 | 320-274-3594 | Fax: 320-274-3859

EZCrusher.com | davev@ezcrusher.com

BALERS

CRUSHERS

AUTO LOGGERS

DADE Capital Corp.
800-823-9688
 Perrysburg, OH



Visit DADECapital.com for a complete list of current equipment and more photos.



1996 SIERRA 500T

18,000 hours runs well. Demo it.

\$195,000



2007 FUCHS MHL350

With gen-set and magnet. Good operating condition.

\$225,000



IBC 1450 CLOSED DOOR BALER

Nonferrous baler, completely REBUILT. What Color would you like it painted?

\$68,000



2005 COLMAR B5500

AUTO LOGGER and Metal baler. Good condition.

\$175,000



CAT 225BLC MATERIAL HANDLER

13,749 hours. Equipped with a Genesis GMS400 shear. Both rebuilt and in amazing condition.

\$89,000



LIEBHERR MODEL 65 GRAPPLE

New, never used Liebherr model 65 grapple, 1.25 yd.

\$18,500



LAMB 200 HP HAMMER MILL

Lamb 200 hp Hammer Mill with 300 Kw Detroit gen-set. Complete system in good working condition, SEE IT RUNNING! Call for all the details and equipment.

\$165,000



1990 MOSLEY 330 SHEAR

SEE IT RUNNING. Spare Parts - cylinders, blades, bolts, packing. 23,000 hours.

\$95,000



2006 SENNEBOGEN 835M

6-8,000 hours estimated, 25KW gen-set, NO grapple or magnet.

\$197,500



1995 HARRIS ABS 550

SEE IT RUNNING. Spare parts 19,000 hours.

\$165,000



2000 KOBELCO SK330LC WITH SHEAR

With GENESIS Pro Series GMS500 shear. Equipment in excellent condition.

\$195,000



2002 SIERRA 500SL

20,100 hours approximatly. Box relined, guides replaced.

\$175,000



AL-JON CAR CRUSHER WITH AUTOMATION

Works well and immediately available.

\$18,500



2000 SENNEBOGEN 830M

12,000 hours, 50' reach, generator, grapple and rebuilt engine and pump.

\$175,000



FAIRBANKS SHREDDER MOTOR

Fairbanks shredder motor. 3000 h.p.

\$175,000

WASTE

EPA releases municipal solid waste report

The EPA released its most recently completed Municipal Solid Waste Report. This report describes the national municipal solid waste (MSW) stream based on data collected for 1960 through 2009. The historical perspective is useful for establishing trends in types of MSW generated and in the ways it is managed.

The United States generated 243 million tons of MSW in 2009 – 8 million tons less than generated in 2008. Excluding composting, 61.3 million tons of MSW were recycled, a slight decrease of 0.5 million tons from 2008. The tons of food scrap and yard trimmings recovered for composting were 20.8 million tons in 2008. The recovery rate for recycling (including composting) was 33.8 percent in 2009, up from 33.4 percent in 2008. Although the tons recycled and composted decreased in 2009, the tons generated also decreased resulting in an increase in the recycling rate.

MSW generation in 2009 declined to 4.34 pounds per person per day. This

Material	Weight Generated	Weight Recovered	Recovery as % of Generation
Paper/paperboard	68.43	42.50	62.1%
Glass	11.78	3.00	25.5%
Metals	20.91	7.22	34.5%
Plastics	29.83	2.12	7.1%
Rubber & Leather	7.49	1.07	14.3%
Textiles	12.73	1.90	14.9%
Wood	15.84	2.23	14.1%
Other Materials	4.64	1.23	26.5%
Food/Other	34.29	.85	2.5%
Yard Trimmings	33.20	19.90	59.9%
Inorganic Waste	3.82	NEG	NEG
TOTAL	242.96		33.8%

is a decrease of 4 percent from 2008 to 2009. The recycling rate in 2009 was 1.46 pounds per person per day. Discards sent for combustion with energy recovery was 0.52 pounds per person per day. Discards sent to landfills after recycling and combustion with energy recovery declined to 2.36 pounds per person per day in 2009. This is a decrease of 3.3 percent from 2008 to 2009.

Nationally, Americans recycled and composted 82 million tons of MSW. This provides an annual benefit of 178 million metric tons of carbon dioxide equivalent emissions reduced, comparable to the annual greenhouse gas emissions from almost 33 million passenger vehicles. But the ultimate benefits from recycling are cleaner land, air, and water, overall better health, and a more sustainable economy.

EPA allows biomass companies to defer GHG rules

The EPA is granting an exemption under its controversial greenhouse gas (GHG) reporting requirements, saying that it will provide a three year reprieve for facilities that burn biomass to generate electricity.

CO₂ emissions from biomass-fired and other biogenic sources are generated during the combustion or decomposition

of biologically based material. Sources covered by this decision include facilities that emit CO₂ as a result of burning forest or agricultural products for energy, wastewater treatment and livestock management facilities, landfills and fermentation processes for ethanol production.

A score of lawmakers had urged EPA to delay applying new rules aimed at curb-

ing GHGs from large emitters and facilities that burn biomass.

The agency will also issue guidance shortly that will provide a basis that state or local permitting authorities may use to conclude that the use of biomass as fuel is the best available control technology for GHG emissions until the agency can complete action on the three year deferral in July.

On January 2, 2011, air permitting requirements began for large GHG emitting industries that are planning to build new facilities or make major modifications to existing ones. These facilities must obtain air permits and implement energy efficiency measures or, where available, cost-effective technology to reduce their GHG emissions. This includes the nation's largest GHG emitters, such as power plants and refineries. Emissions from small sources, such as farms and restaurants, are not covered by these GHG permitting requirements.

By July 2011, EPA plans to complete a rulemaking that will defer permitting requirements for CO₂ emissions from biomass-fired and other biogenic sources for three years. During the three-year period, the agency will seek input on critical scientific issues from its partners within the federal government and from outside scientists who have relevant expertise. EPA will also further consider the more than 7,000 comments it received from its July 2010 Call for Information, including comments noting that burning certain types of biomass may emit the same amount of CO₂ emissions that would be emitted if they were not burned as fuel, while others may result in a net increase in CO₂ emissions. Before the end of the three-year period, the agency intends to issue a second rulemaking that determines how these emissions should be treated or counted under GHG permitting requirements.

PAPER

AF&PA's paper reports

December 2010 paperboard

According to the American Forest & Paper Association's (AF&PA) December 2010 United States report, total boxboard production increased by 7.3 percent compared to December 2009, and was flat compared to last month. Year-end production was up 3.7 percent over 2009.

Additional key findings in this report:

- Unbleached Kraft Folding production increased.
- Solid Bleached Folding up over same month last year.
- Recycled Folding saw a decrease in production.
- Inventory of Solid Bleached Kraft Paperboard increased.

December 2010 kraft paper sector

AF&PA reports that total Kraft paper shipments were 126.9 thousand tons, an increase of 1.3 percent compared to December 2009, and flat when compared to November 2010. Total year-end shipments rose 10.2 percent over last year. Total inventory was 79.7 thousand tons.

Additional key findings from the report include:

- Total Unbleached Kraft shipments increased over December 2009.
- Total Bleached Kraft shipments were down compared to the same month last year.

December 2010 containerboard

For the fourteenth straight month, containerboard production rose over the same month a year ago. Total production saw an increase of 40,300 tons or 1.5 percent when compared to December 2009. Production rose compared to November 2010, however, the month over month average daily production was down by 2.4 percent. Year-end 2010 production has increased 7.1 percent over 2009. The containerboard operating rate for December 2010 was up 3.7 points over December 2009 to 92.6 percent.

Additional key findings from the report include:

- Linerboard production continues to increase over same month last year.
- Medium production also increased over last year.
- Containerboard operating rates up.

Recovered paper consumption seven percent higher in 2010

AF&PA reports that the United States paper industry consumed 31.3 million tons of recovered paper in 2010, a 7 percent increase over 2009 consumption levels. Consumption in December was approximately flat when compared to the previous month.

The United States exported one percent less recovered paper in November than in October. Year-to-date exports of recovered paper are down two percent compared to the same months last year.

WHAT NEEDS SHREDDING?

SSI Shredding Systems, Inc.
 www.ssiworld.com | sales@ssiworld.com | Tel: (503) 682-3633
 Shredding everything including the kitchen sink at www.watchitshred.com

ALTERNATIVE ENERGY

Energy projects transform trash to green power

The United States Environmental Protection Agency (EPA) recognized six landfill methane capture projects and partners for their innovation in generating renewable energy and protecting the climate and people's health by reducing greenhouse gas (GHG) emissions. EPA has assisted with more than 490 landfill gas energy projects over the past 16 years, transforming waste into a green community asset. Landfill gas electricity generation projects have a capacity of 1,680 megawatts (MW) and provide the energy equivalent of powering more than 994,000 homes annually as a clean energy source. The United States currently has about 540 operational landfill gas energy projects.

The six winners, announced at the 14th Annual Landfill Methane Outreach Program Conference in Baltimore, include a project that powers manufacturing at a green business park in Indiana and a 10 megawatt combined cycle power plant in Ohio. These projects will contribute to job creation and provide energy savings and green power generation.

Methane, a primary component of landfill gas, is a GHG with more than 20 times the global warming potential of car-

bon dioxide. Using landfill gas has several benefits: it provides a significant energy resource, prevents GHG emissions, and reduces odors and other hazards associated with emissions.

This year's winning projects will avoid the emissions of 165,600 metric tons of carbon dioxide equivalent per year. This reduction is equivalent to the annual GHG emissions from more than 31,600 passenger vehicles or the carbon dioxide emissions from 385,200 barrels of oil consumed. The direct-use projects will use 830 standard cubic feet per minute and the electricity-generating projects total 13.3 megawatts of generation capacity.

Awardees are Montgomery Regional Solid Waste Authority Small Engine Project, Christiansburg, Virginia; Frederick County Electricity Project, Winchester, Virginia; Crow Wing County Small On-site LFG Boiler Project, Brainerd, Minnesota; Hoffman Road LFG and Bay View WWTP Digester Gas 10-MW Project, Toledo, Ohio; and Newton County Renewable Energy Park LFG Direct-Use Project, Brook, Indiana. The community partner of the year is Escambia County, Pensacola, Florida.

ReEnergy Holdings acquires Connecticut tire-to-energy facility

ReEnergy Holdings has completed the acquisition of the Exeter Tire-to-Energy Facility located in Sterling CT. The facility had been owned by a subsidiary of CMS Enterprises, based in Jackson Michigan. The 31 MW facility, continuously operated since 1991, is fueled with chipped and whole tires. The facility will be known as the Sterling Energy Facility.

In a related development, ReEnergy announced that Scott Hersey has joined ReEnergy Holdings LLC as a capital projects manager. Hersey will be responsible for managing capital investment programs for ReEnergy's power plant operations. Prior to joining ReEnergy, Hersey was the business development director at Fastco Corporation where he provided project development and technical support services to various organizations. Before joining Fastco, Hersey worked with Greenville Steam Company

A doctor and a lawyer met at a party. Their conversation was interrupted repeatedly by guests asking the doctor for medical advice. Finally, the exasperated doctor turned to the lawyer and said, "Tell me, what do you do to stop people from asking you for legal advice when you're out of the office?"

"When they ask, I give them advice", replied the lawyer, "I keep a list and then send them a bill in the morning."

The doctor decided to take the lawyer's advice and started a list.

The next morning, right when he took out his list, his secretary walked in and handed him a bill from the lawyer.

for a number of years, where he managed that biomass-to-energy facility.

ELECTRONICS

Call2Recycle posts record increase of battery recycling

Call2Recycle hit a record-breaking 10.1 percent increase in its overall rechargeable battery collections in 2010. Through its network of more than 30,000 retail, municipal and business partners across the United States and Canada, Call2Recycle collected more than 6.7 million pounds of rechargeable batteries during the year.

In the United States, Call2Recycle's collection sites in California, Texas and Florida collected the largest amount of rechargeable batteries, with 932,882 pounds, 530,582 pounds and 373,802 pounds, respectively.

In Canada, battery recycling efforts soared by more than 81 percent, due in large part to Call2Recycle's July 1

expansion in British Columbia and Ontario to include the collection of all household batteries. The broadened collection capabilities were designed to accommodate recycling requirements set forth in new legislation in those provinces.

British Columbia's total collections increased by nearly 420 percent. In Ontario, battery recycling efforts increased by 59 percent.

Throughout North America, health-care and public agencies saw a 106 and 32 percent increase in battery recycling respectively. Also in 2010, consumer battery recycling efforts through retailers and communities surged by 17 percent.

MPC to build electronics recycling facility in Philadelphia

IT asset disposition company MPC will open an 111,000 square foot technology and electronics disposition processing facility in Philadelphia. The new facility will support a 100 percent zero-landfill operation.

The MPC processing facility is set to open in the first quarter of 2011. MPC will take in electronic material and IT-based assets and provide disposition and remarketing services, chain of custody and risk mitigation services while pursuing zero-landfill strategy development.

The Governor's Action Team, a group of economic development professionals who work directly with businesses that are considering locating or expanding in Pennsylvania, coordinated the project at the state level.

Pennsylvania provided the company with a \$230,000 funding offer through the Department of Community and Economic Development.

MPC estimates that the facility will process 15 million pounds the first year.

Aluminum Sweat Furnaces

—An Essential Tool for Recycling Aluminum—

Model No.	Capacity Example	Holding Chamber (approx. weight)
AK3500	8-9 transmissions	500-600 lbs.
AK5500	15-16 transmissions	750-800 lbs.
AK6000	20-22 transmissions	850-900 lbs.
AK7000	40-45 transmissions	1,200-1,500 lbs.
AK8000	50-55 transmissions	3,000-3,200 lbs.
AK8500	70-80 transmissions	4,500-5,000 lbs.

Waste oil and gasoline burners are also available.
Other models and sizes available to fit any need!



Aluminum King Manufacturing, Inc.
641-732-5558 • Fax 641-732-1385
www.AluminumKing.com

\$

At today's fuel price, cost of operation is .02¢ per pound with 50% recovery material.

—AK Customers Only—
Call us for the current market rate for sows.

Aluminum King furnaces meet the industry standards and are backed by a company with a solid reputation.

Our years of experience provide the best customer support.

Powersell - Software for:

- ➔ Recycling Centers
- ➔ Scrap Yards
- ➔ Processors
- ➔ Auto Dismantlers



- Process buy-back quickly and accurately
- Process ship-out bill of lading and invoicing
- Track customer and inventory
- Capture thumbprint, signature and photo ID
- Print tickets, checks, weight certificates
- Interface with scales
- Comprehensive end-of-date reports

415-987-6523

www.pwrsell.com/recycle

Rent from \$99 per month

AUTO

Focus Electric is eco-friendly

The environmentally friendly reach of the Ford Focus Electric goes beyond its zero-emissions motor. Focus Electric combines recycled and renewable materials, green technologies and innovative manufacturing processes to make the car green from bumper to bumper.

The Focus Electric is not only green in areas where customers expect it to be, but also in places they might not, like in the seat cushions. Soy-based foams, which are used on more than 20 Ford vehicles, will be used in Focus Electric, with seat cushions shaped from eight percent soy-based content. A material called Lignotock also is used behind the cloth on the door. Derived from 85 percent wood fibers, this

lighter application results in a weight reduction and provides better sound-deadening benefits compared to conventional glass-reinforced thermal plastics.

"One of the more impactful things we are doing is finding a way to increase the use of recycled materials in resins. We have a strategy that specifies the use of a large quantity of post-consumer recycled material in a range of plastic applications," said Carrie Majeske, product sustainability manager, Ford Motor Company. "Pop bottles and milk jugs eventually become part of components like underbody shields, wheel arch liners and air cleaner assemblies."

SALVAGING Millions

by Ron Sturgeon
Autosalvageconsultant.com

Who decides who gets to be on page one in Google's search results?

When a searcher types in a search term like Fort Worth award winning restaurant, who decides who shows up as number one and who shows up on page one in Google?

Books have been written on this question, but I will try to make it simple.

I will use Google because they are the search engine most frequently used.

Google wants to display the results that most closely respond to the keywords that a user types into the search box.

So, how do they decide which listing should be number one and which ones should be on page one of the results for a search term? The biggest factor by far is the votes that a page gets.

WHAT? You didn't know you and others were voting?

Votes in the search world are simpler to understand than you think. There are no hanging chads. They let the world vote for a particular site in a lot of ways, but the most important measures Google uses are the number of links that point at a site and the quality of the sites that those links come from.

Let me give an example. If you own a restaurant, it's fairly easy to get your friends to put a link on their web site that points at your restaurant's homepage. You could get dozens of these links if you have enough friends. Google sees them all, and tabulates those votes, placing a value on each link.

(If you give them a link back, it's called a reciprocal link and Google discounts the value of those links because they are more like back scratching than endorsements or votes. Think of reciprocal links as like going down to the

bus station and paying \$1 apiece to a bunch of bums to cast ballots for you. If Google catches you buying votes, their votes essentially won't count.)

Google realizes that those links (or votes) from your friends for the restaurant don't necessarily mean the food is great. But, what if you get on CNN for those fabulous homemade rolls and CNN puts a link on their website back to your site? That link has a lot of authority because Google trusts CNN a lot more than the link from the local tire shop's five page website, and that link from CNN would likely push your page rank way up, at least temporarily.

Google also knows how much traffic a site has and a story on CNN with a link (also called a "backlink") will likely drive visitors to your restaurant's site. Now when someone types in an award-winning, Fort Worth restaurant, you are likely to be in the top listings for that term, as well as best homemade rolls in your city, etc. As time goes on, the votes lift your page rank, which increases the likelihood that your web site will be shown close to the top of the listings for a chosen keyword phrase.

Web marketing and search engine optimization is always a part of any consulting or speaking assignment I do, and we always make sure participants in our Peer Benchmarking Group Sessions understand the tools to gain optimum page rank as part of their overall strategy to increase business using strategic web development.

As a promoter of my businesses, I have had to become a web expert. Now I'm helping other small business owners. I'll be glad to share some of the dos and don'ts of creating an effective business web site with you.

INTERNATIONAL

EU moving towards recycling society but progress needed

The European Commission published a report on member states' performance in the prevention and recycling of waste. This shows that some member states have made excellent progress, but that they are still some way from achieving the long-term goal of becoming a recycling society – one that not only avoids producing waste but also uses it as a resource.

The report shows that in most member states, overall waste generation seems to be increasing (or at best stabilizing) but at a lower rate than economic growth. Over the last 10 years municipal waste generation has stabilized at around 524 kg per year per person, although household consumption has increased by around 16 percent during the same period. More could be done, therefore, to reduce the absolute generation of waste. For example, 25 percent of food bought by EU households is thrown away. Some 60 percent of this waste could be avoided.

There are huge differences between member states. Recycling rates vary from a few percent up to 70 percent. In some member states landfilling has virtually disappeared, in others more than 90 percent of waste is still buried. This shows a significant margin for progress beyond the current targets.

Waste still represents about 20 percent of all environmental infringement cases. As recent events in Hungary and Italy have shown, full implementation of waste legislation is vital to protect the environment and human health.

The new Waste Framework Directive, which should have been transposed by

December 2010, has still not passed into national law in many EU countries. Member states had a transitional period of two years to put the necessary measures in place to comply with the new directive. However, only a small number have so far informed the Commission of the transposition of the legislation. The commission is monitoring the situation closely and, if necessary, will take action against those failing to implement the directive.

The directive modernizes the waste policy around the concept of life cycle thinking. The directive introduces a binding waste hierarchy defining the order of priority for treating waste. Top of the list is waste prevention, followed by re-use, recycling and other recovery operations, with disposal such as landfill used only as the last resort. The directive obliges member states to modernize their waste management plans and to set up waste prevention programs by 2013. They must also recycle 50 percent of their municipal waste and 70 percent of construction and demolition waste by 2020.

The commission will continue to monitor the implementation and enforcement of waste legislation at national level, including the requirements of the new Waste Framework Directive. But it will also seek to develop support for member states in designing appropriate strategies and policies upstream. To further consolidate its waste policies, the commission will make further proposals in 2012 including setting out the concrete steps it will take in order to move closer towards an EU resource-efficient recycling society.

Novelis expands recycling in Germany

Novelis Inc. announced the investment of \$18 million in the construction of a new recycling center at Aluminium Norf GmbH in western Germany.

Construction has started on a multi-chamber melting furnace and ancillary equipment that will recycle 50,000 metric tons of aluminum scrap per year to feed the rolling mills of Alunorf, a large aluminum rolling complex. Located near Neuss, Germany, Alunorf is a joint venture of Novelis and Norsk Hydro ASA.

The Novelis recycling center will process aluminum scrap from Novelis plants as well as from the manufacturing facilities of customers across Europe. It is the second phase of a recycling expansion project at Alunorf that began in 2009 with the construction of a similar recycling facility. The combined capacity of the integrated recycling operations will be 100,000 metric tons per year when the Novelis facility comes on-stream in late 2011.

NEW! A cost-effective way to process ACSR cable!

The model SEP5 sepshear separates and shears the aluminum or copper outer layer, yet leaves the steel center core in full length. Process single or multi-layer ACSR cable safely and efficiently!



Processes up to 4,200 feet per hour!

Our patented design provides three models to choose from!

RES/DRM 16awg, up to 250mcm	COMC 14awg, up to 600mcm
--	---------------------------------------

Remember, only you can make BUSINESS GREAT!

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

BUSINESS BRIEFS

Call2Recycle names newest member to board

Call2Recycle announced the election of John Bradford, chief innovations officer for Interface Americas, Division of Interface Inc., to the RBRC board of directors. The RBRC board operates Call2Recycle.

Joining the RBRC board of directors from outside of the battery and small electronics industry, Bradford brings a wealth of experience in sustainable innovation, operations and structuring organizations for industry leadership and growth. In his current role, he is among the leaders working to bring Interface Americas toward becoming the first sustainable enterprise company by 2020.

Ecomaine hires Birt as new director of finance

Arthur Birt has been named director of finance and administration for ecomaine, a nonprofit municipally-owned recycling and waste-to-energy organization that serves 24 percent of Maine's population. Birt's previous experience includes controller of Great Northern Paper and finance director of Brookfield Power New England.

Birt is a Millinocket native and graduate of the University of Maine at Orono.

Republic Machine hits 100 year anniversary

Republic Machine celebrates its hundredth anniversary this year as the youngest member of the Republic family of companies. The Republic legacy began in 1911 in Louisville with the opening of the Republic Welding Company (RWC), a 15 man automotive machine shop. Since George R. Sotsky and his partner acquired RWC in 1970, the company moved from an automotive emphasis to engineering and manufacturing heavy machinery. Much of the meteoric growth – from \$450,000 in annual sales to more than \$40 million by 2002 – can be attributed to Sotsky, an electrical engineer determined to improve the way machines work.

Although most of the multiple Republic brands that evolved during this period were sold to employees and outside investors in 2004, Sotsky and his partner retained ownership of Republic Machine, which produces industrial shredders.

Sotsky and his team of engineers developed the patented modular Split-A-Part shredder with a Zoidal cutting system. Compared to similar-sized shredders, the Split-A-Part shredder increases throughput more than 300 percent and lowers operating costs to less than a half cent per pound.

St. Louis Composting to acquire organics company

St. Louis Composting, Inc. has acquired Organic Resource Management, Inc. (ORMI), a large-scale, commercial composting facility located at 13060 County Park Road in unincorporated north St. Louis County. Terms of the transaction were not disclosed.

The purchase will help St. Louis Composting continue its growth as the largest compost producer in the region.

For now, ORMI will continue to operate under its original name with a subtitle depicting it as a St. Louis Composting company.

Parts Galore to break ground on 25 acre facility

Parts Galore, a self-serve used auto parts retailer, will hold a ground breaking ceremony for its third facility in metro Detroit in Monroe County, Michigan.

The 25 acre site is located on Telegraph Road in Ash and Berlin Charter Townships within minutes of I-75 and I-275. The \$5million investment is expected to provide the area with 30 new jobs.

The new facility, which is scheduled to open in June 2011, will allow customers to bring their own tools and remove parts from a selection of 2,500 vehicles. Each month, more than 1,000 vehicles are replaced in the inventory.

Two snowmen stood in a field next to each other.

One said to the other, "That is funny! I smell carrots, too."

Veolia names Jim Long as vice president of recycling

Jim Long, president and CEO of Veolia ES Solid Waste Inc., announced the appointment of Tom Riek to vice president of recycling, a newly created position within the company. Veolia ES Solid Waste Inc. is the solid waste division of Veolia Environmental Services North America.

In his new role, Riek will work to continue to define Veolia's recycling strategy, improve processes and develop new capabilities to enhance the company's offerings to customers. Prior to his appointment, Riek worked with Veolia ES Solid Waste as a partner of Pebble Creek Partners, LLC.

Prior to joining Veolia, Riek served as chief executive officer of Container Recycling Alliance and as chief financial officer of Recycle America Alliance, Inc.

Riek has more than 25 years of general management, operational, finance and accounting experience in the waste industry.

Roberto named Paladin Construction manager

Paladin Construction Group has appointed Mike Roberto to the position of heavy construction territory manager, covering the Ohio Valley of the United States. He will work closely with all sales, engineering and manufacturing departments within Paladin's JRB, CP and Custom-Works Brands.

Roberto has a strong background in heavy construction equipment, previously working for Volvo and Caterpillar dealers.

Tubelite adds Scott Huff to sales management

Tubelite Inc. has hired Scott Huff as a client development manager serving customers in North and South Carolina. He works closely with glazing and general contractors, architects, and building owners to provide information on the company's architectural aluminum products and their green building benefits.

Before joining Tubelite, Huff was employed with Oldcastle Glass' engineered products division, which now is Oldcastle Building Envelope. Prior to this, he was with The Vistawall Group as an architectural sales representative for the Carolinas.

Based in Charlotte, North Carolina, Huff earned a bachelor's degree in marketing from State University in West Georgia and a degree in machine tool technology from West Georgia Technical College. He continues his professional development as a member of the National Glass Association.

WM hires Grace Cowan to head customer service

With substantial experience in developing relationships between businesses and customers, Grace Cowan has been hired by Waste Management to serve as senior vice president of customer experience.

Before joining Waste Management, Cowan worked at Conesco and Banker's Life Insurance. As a senior vice president, Cowan will serve as a member of the senior leadership team.

ADVERTISER INDEX

PAGE	ADVERTISER
A2	Al-jon, Inc.
A15	Aluminum King
A5	American Baler
A16	ARPI
A11	Bateman
A10	Buffalo Turbine
A8	Call Shaughnessy
A8	CARE Conference
A3	CIF Industries
B3	Clear Span
A13, B8	DADE Capital
B5	Duratech
A15	EASI Powersell Software
B1	Excel Manufacturing
A23	Government Liquidation
A10	Heartland Aluminum
A17	Henry A. Wiltschek, Inc.
B4	IROCK
A7	Iron Ax, Inc.
A5	Maurer Manufacturing
A4	Moley Magnetics
A3	Nationwide Industrial Supply
A24	OverBuilt, Inc.
A9	Recycling Services Intl.
A12	RM Johnson
A6	SAS Forks
A6	Supershear
A18	Waste Expo 2011

MAXIMIZE MEATBALL EXTRACTION!



Use 'CanSort' Super STRONG Rare Earth Permanent Magnetic Drums, engineered for maximum Meatball Extraction, using the strongest Super-Energy Rare Earth Neodymium Iron Boron Permanent Magnets.

Extracts copper-bearing shredded motor pieces, otherwise known as "meatballs."

Installed in optimized magnetic circuits, available in 36-48, 60 or 72" widths with matching drum diameters. Drums are direct, belt or chain driven.

Frames shown are used primarily for shipping.



888-518-8469

Henry A. Wiltschek
905-664-5326
henrywiltsc hek@bellnet.ca

Henry A. Wiltschek Inc.
hawiltsc hekinc.com

Virginia M. Konrad
704-296-9232
vkonrad@carolina.rr.com

BUSINESS BRIEFS

Myers joins CDG as regional sales manager

■ CDG Environmental announced that Peter Myers has been hired as a regional sales manager for the western division. Myers has over 15 years of sales management experience within the industrial and municipal markets. His experience with chlorine dioxide includes five years with Pureline Treatment Systems as western regional director. He is well versed in understanding the nature and complexities of water and waste water treatment, and the issues associated with capital equipment and chemical treatment solutions. He has been successful in overseeing sales and business development functions, including new product rollouts, key account management, customer relationship development, contract negotiations, and required-on-site audits.

Myers will work from CDG's Irvine, California office and will cover Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

Wise Metals to expand Shoals area operations

■ Wise Metals Group announced a \$25 million expansion to its Alabama reclamation operation in Muscle Shoals, a move that will add 43 new employees and further expand the capabilities at the largest and most efficient recycling facility in the world. The announcement was made by Wise chairman and CEO David D'Adario and chief operating officer Wes Oberholzer.

Recently, Wise recapitalized, which allowed for the acquisition of new equipment and further operational streamlining. The Retirement Systems of Alabama is a significant investor in Wise, and partnered to make the recapitalization possible. That move followed on the heels of a major contract to provide aluminum can sheet to Anheuser-Busch, and included previous upgrades to slitting and other manufacturing equipment.

The expansion will include the addition of a melting furnace, a delacquering kiln, shredders, material cleaning equipment and environmental systems.

Events Calendar

March 6th-9th

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

March 22nd-26th

ConExpo-Con/Agg 2011. Las Vegas Convention Center, Las Vegas, Nevada. 800-867-6060 • www.conexpoconagg.com

March 23rd

C&D World. Paris Resort and Casino, Las Vegas, Nevada. 630-585-7530 • www.cdrecycling.org

April 3rd-5th

Aluminum Association 2011 Spring Meeting. Sanibel Harbour Marriott Resort & Spa, Fort Myers, Florida. 703-358-2960 • www.aluminum.org

April 5th-9th

ISRI Annual Convention and Exposition. Los Angeles Convention Center, Los Angeles, California. 202-662-8544 • www.isriconvention.org

April 19

NERC's Spring Workshop. Hotel Northampton, Northampton, Massachusetts. 802-254-3636 • www.nerc.org

April 27th-29th

Carpet American Recovery Effort (CARE). Annual Conference. Amelia Island Plantation, Amelia Island, Florida. 706-428-2127 • www.carpetrecovery.org

May 1st-4th

Federation of New York Solid Waste Associations Solid Waste/Recycling Conference & Trade Show. The Sagamore, Bolton Landing, New York. 845-256-3141 • www.nyfederation.org

May 9th-12th

WasteExpo. Dallas Convention Center, Dallas, Texas. 800-927-5007 • www.wasteexpo.com

June 6th-7th

Northeast Recycling Conference and Expo. Radisson, Manchester, New Hampshire. 800-223-0150 • www.nrra.net

June 21st-24th

Air & Waste Management's 104th Annual Conference and Exhibition. Disney's Coronado Springs Resort, Orlando, Florida. 412-904-6003 • www.awma.org

August 23rd-25th

WASTECON 2011. Gaylord Opryland, Nashville, Tennessee. 240-494-2237 • www.wastecon.org

we:grow

WasteExpo 2011. Learn how to grow your business from some of the best in the business.

To you it's more than a job. You're willing to do whatever it takes to improve your business and care for the environment. At WasteExpo, we understand what you need and have assembled an impressive roster of thought leaders who are experts in teaching new technologies and best practices. You'll also benefit from networking opportunities with over 11,000 professionals who are all looking to grow their market share and their companies. Whether you're looking for a new product or service, or launching one, WasteExpo 2011 is the perfect environment to help you grow.



waste expo

The Center of It All
Where Environment Meets Innovation

Conference: May 9-11, 2011

Exhibits: May 10-12, 2011

Dallas Convention Center
Dallas, Texas

wasteexpo.com

Free Exhibit Hall Code: VP26

NEW PRODUCT SHOWCASE



AIM ATTACHMENTS EXCAVATOR GRAPPLES

The AIM excavator grapple is an attachment featuring AR 400 steel tines for superior durability. The grapple offers several options – 5-tine design or high capacity 7-tine design with a reinforced solid box body, a vast improvement over commonly used hollow box configurations. AIM Grapples are available to fit machines with quick coupler systems.

AIM excavator grapples are available in many sizes for excavators in classes ranging from 20,000 lbs. to 100,000 lbs. These durable grapples are suitable for numerous demolition, recycling, excavation, and salvage operations.

AIM Attachments
1720 Feddern Avenue
Grove City, OH 43123
800-803-3365
www.aimattachments.com



ATTACHMENTS INTERNATIONAL'S NEWEST ASPHALT CUTTER

Attachments International's newest asphalt cutter is the Side Shooter. The largest seller in the line-up, feature for feature, its double the strength of previous AI bucket mount cutters.

Features include:

- Quick disconnect – less than one minute.
- Flush mount external or internal on bucket, blades or moldboards.
- AI-X400 alloy that lasts three times longer than other blades.
- Chromed induction hardened axle.

Attachments International
9 Industrial Park Drive
Pelican Rapids, MN 56572
218-863-6444
www.attachmentsintl.com



CASE C SERIES EXCAVATORS DELIVER BETTER FUEL ECONOMY

The new Case CX250C, CX300C and CX350C excavators feature Tier 4 Interim-certified cooled exhaust gas recirculation technology that burns cleaner while delivering superior horsepower. These three new models deliver 177, 207 and 266 net horsepower (132, 154 and 198 kW), respectively.

The new Case Intelligent Hydraulic System technology reduces total fuel consumption and improves performance. Boom Economy Control lowers engine RPMs during the boom down and swing operation, while the Auto Economy Control lowers RPMs when the joysticks are inactive.

Case Construction Equipment
700 State Street
Racine, WI 53404
866-542-2736
www.casece.com



CROWCON'S LASERMETHANE MINI GEN2 DETECTS LEAKS

Designed to detect methane at distances of up to 100 meters in seconds, Crowcon Detection Instruments has launched its new LaserMethane® mini Gen2 (LMm) portable methane detector.

ATEX approval allows the LMm to be used in Zone 1 hazardous areas for on-plant use, in M2 mining applications, as well as detecting escaped gas in hard to reach areas.

The LMm weighs just over one pound including the battery. Features include a color numeric or graphical display, audio and visual alarms, six hours minimum battery, IP54 ingress protection and automatic ranging.

Crowcon Detection Instruments Ltd.
21 Kenton Lands Road
Erlanger, KY 41018
800-527-6926
www.crowcon.us



CW MILL DEBUTS ARMORHOG REPLACEMENT PARTS

ArmorHog provides custom made hammer mill screens and grates for all brands, all configurations, and all models of grinders, and is your best choice for grinder tips, bits, strikers, and replacement hammer heads.

ArmorHog® uses the highest quality parent metal in all of its forgings and has its own unique blend of carbide called NitroGrit™, a proprietary blend of carbide best suited for grinding applications. NitroGrit can be applied in any custom pattern that customers request, and is available in a variety of grit levels.

CW Mill Equipment Co.
14 Commerce Drive
Sabetha, KS 66534
785-284-3454
www.armorhog.com



NORTHSHORE INTRODUCES NEW BUTT TINE UTILITY GRAPPLE

Northshore Manufacturing introduces the heavy duty, butt tine utility grapple, which is ideal for handling a variety of materials including pipe, railroad ties, logs, scrap automobiles, rock, etc. Key features include:

- 360° continuous rotation on a heavy duty bearing with advanced, high torque motor and a high pressure hydraulic swivel.
- High tensile steel used throughout.
- Oversized, hardened cylinder and arm pivot pins with replaceable bushings.
- High pressure cylinders with holding valves.

Northshore Manufacturing
530 Recycle Center Drive
Two Harbors, MN 55616
218-834-5555
www.builtritehandlers.com



RMT OFFERS NEW WIRELESS GRAPPLE SCALE SYSTEM

The RMT-XW in-motion grapple scale system combines wireless data communication and control with a new load-sensing technology.

The RMT-XW system is supplied with its own data logger, and USB data connection. The system gauges each load automatically and accumulates data.

The system is offered in models to suit different equipment and applications. Models equipped with 10, 15 and 20-ton load cells are offered for conventional loaders, scrap handlers and excavators. Smaller units with 5 and 7-ton load cells are recommended for small material handlers, excavators, loaders and forklifts.

RMT Equipment Inc.
370 Labelle
Laval, QC Canada H7P 2P1
800-648-8132
www.rmtequip.com



STAFFORD OFFERS NEW LINE OF SHAFT MOUNTS

A new line of shaft mounts for use in conveyors, packaging machinery, laboratory equipment, green energy systems and other applications is being introduced by Stafford Manufacturing Corp.

Available from stock in weldable 1117 steel, Stafford Shaft Mounts come in 1/4" to 2" I.D. sizes, with and without keyways, and proportionally sized mounting flanges supplied with drilled holes. Suitable for a variety of applications, they are also offered in stainless steel on special order.

Stafford Manufacturing
PO Box 277
North Reading, MA 01864
800-695-5551
www.staffordmfg.com



SWEEPER MAN'S BASIN BLOCKER STORM DRAIN FITS MANY SIZES

Sweeper Man's new basin blocker flood resistant storm drain insert filter is custom manufactured to fit storm drains of many types and sizes. The standard Basin Blocker filter will collect sediment and trash while the heavy duty basin blocker filter will collect oil and other harmful pollutants. The filter is for municipalities, contractors, schools and industrial applications where storm drain maintenance is a necessity. Demolition sites and recycling facilities can be confident in containing harmful pollutants contained in the run-off on these sites. Dealers and distributors are encouraged to inquire.

Sweeper Man
8012 Kansas Road
Ft. Myers, FL 33967
239-466-5158
www.sweeperman.net



WASTEQUIP UNVEILS ORGANICS 3-YARD FEL CONTAINER

Toter's new, plastic Organics 3-yard FEL Container is stronger than standard plastic FELs and features a steel rod reinforced rim and base to prevent bowing.

The FEL Container features a single-piece body with pockets and casters that do not bolt through the body, ensuring the container does not leak. It has a continuous lip around the lid to trap odors and a locking mechanism prohibits unauthorized access.

The Toter Organics FEL Container includes a 23 1/4" high by 25 1/4" wide trap door within the single-piece lid for easy disposal of organics.

Wastequip, Inc.
1901 Roxborough Road
Charlotte, NC 28211
877-468-9278
www.wastequip.com

BUSINESS BRIEFS

Bandit adds Flagler to its dealer network

■ Bandit Industries welcomed Florida-based Flagler Construction Equipment as the company's newest authorized dealer in the Southeast. Serving the Florida market since 1987, Flagler Construction Equipment will offer Bandit equipment, parts and service through five main branches covering the entire state.

Bandit customers will find Flagler branches throughout the state, including Jacksonville in the northeast, Orlando in central Florida, Tampa in west central Florida, Ft. Myers in the southwest, and Davie on the southeast coast. In addition to these branches, Flagler also maintains an export parts facility in Miami. Flagler will feature a full line of Bandit equipment for sale through their dealer network, including stump grinders, hand fed chippers, whole tree chippers, and Beast recyclers.

Marcotte appointed as Stedman's sales manager

■ Eric Marcotte has been appointed as the new southern United States regional sales manager for Stedman and Innovative Processing Solutions. Marcotte's responsibilities will include selling crushing equipment and systems to Stedman customers. He has over three years of experience in the mining industry, plant operations, and size reduction equipment. Marcotte received a Bachelor of Science in Mining Engineering from the University of Kentucky.

Bob Garino joins Export Tax Advisors as vice president

■ Export Tax Advisors (ETA), a specialty export tax consulting firm, has hired Bob Garino as vice president of commodity services. As a leader in the recycling and analyst community, Garino is a valuable asset to ETA's commitment to helping scrap exporters capture various federal and state export tax incentives.

Garino has more than 30 years of experience in the scrap commodities markets. He previously worked at the Institute of Scrap Recycling Industries, NARI, Commodities Research Unit, NL Industries and International Nickel Co. Well known as one of the leading experts on the intricacies of the scrap commodities markets, he holds a Bachelor of Science in economics from Monmouth University. He is also a Vietnam veteran, having spent three years in the United States Navy.

Agromin CEO named VCEDA chairperson

■ Bill Camarillo, CEO of Oxnard, California-based Agromin was named chairperson of the Ventura County Economic Development Association (VCEDA). He takes over the helm from outgoing chair Mike Silacci of AT&T.

Established in 1949 and recognized as a credible political force, VCEDA gives members an opportunity to interact with Ventura County's civic, corporate, small business and government leaders for a voice in planned, quality growth.

WE ACCEPT CHECKS, MONEY ORDERS, MASTERCARD, VISA and DISCOVER.
ALL CLASSIFIED ADVERTISEMENTS MUST BE PAID IN ADVANCE.

AR Classified ADVERTISEMENTS

Rates

Text Classifieds
\$60 for up to 50 words.
Add \$1 each additional word.

Display Classifieds
\$65 per column inch depth,
2.5" width.

Auto Recycling

Metalico Youngstown
Scrap solutions for business and industry.

Mobile Car Crushing Service

Non-Ferrous Metal Specialists
Serving Ohio & Western Pennsylvania

ISO
9001:2008

Call Toll-Free 888-743-9001
www.metalico.com

Balers

MOSLEY AUTO BALING SYSTEM with conveyor and auto wire ties. Original owners used for nonferrous metals only. Good condition. Price \$75,000. Replacement cost today \$500,000 plus. Contact Steven at Svinga Bros. Corp., Miami, Florida. 305-635-4455

2006 AL JON 400 XL, runs good, \$195,000; 1990 Hitachi excavator, 20" Arrowway shear, extra blades, \$30,000. Call 850-766-5291.

Businesses

PENNSYLVANIA AUTO SALVAGE YARD on 13.1 acres with a 2400SF 3 bay garage with lift and 400SF storage building; in eastern PA, 1.5 hours from NYC and 1.5 hours north of Philadelphia. Asking \$600,000. Contact Lindsay Kutz (484-241-6783) or Louise Sylvester (610-217-9379). Office (610-250-8880), Coldwell Banker Heritage, Bethlehem PA 18020.

CRYSTAL AUTO PARTS: family-owned business, located in Dearborn, Michigan since 1956; holds only recycling license in city, facility on approximately 5.5 acres; well-established wholesale/retail truck parts business and scrap processing operation. Easy access to I-75 and I-94. Owner can remain on staff to assist with transition, \$750,000. Call 800-336-3348.

C&D INTERNAL RAIL TRANSFER STATION: 4.2 acres located in Westchester County, NY. Approved special use permit for 54,000 sq. ft. building. 1,500 tons per day C&D transfer. Two 2,000 spurs of rail with one inside building. December application pending. Approved rail design with Metro North. Call 914-906-7161.

YARD FOR LEASE with salvage and used car sales licenses, 18 acres, Monroe County, Michigan with 2 small outer buildings and third building which may serve as small office. Equipment available: Fiat loader, 645 B SAS Forks, 10,000 lb. TCM lift truck, shop air (air compressor), 7,500 lb. car hoist. There is no inventory, monthly rent is \$3,500, annual taxes are \$2,200. Call 734-777-3661.

AUTO RECYCLING/SCRAP YARD, all licensed and certified, plus large, 3-bay garage/lifts with apartment over, pole barn, all equipment, outbuildings. Landscaped, nice, 2,200 sq. ft. home on 17 acres in low tax Webster, New Hampshire. Owner retiring, asking \$750,000. Owner financing available. Call 603-746-2554.

GOT A SCRAP OR PARTS YARD? Got tow trucks? We've got business for you! Donate A Car 2 Charity is a nationwide car donation program handling over 18,000 vehicles a year. Looking for competitive flat rate bids for scrap and parts vehicles. Please fax offers to 866-545-5823 or visit www.donateacar2charity.com.

We buy
DIRTY MOTOR BLOCKS!
Paying TOP \$ for all ferrous & NF grades.
METALICO ANNACO, INC.
800-394-1300

Balers

HORIZONTAL BALER, LOGEMANN MODEL 245B-AT. Bale 40" x 30" x 56". Bale weight 1,150 to 1,500 lbs. Compression 12" cylinder, 3,000 psi, 9" ejector cylinder. 100 hp motor, automatic tie. 100 hours since overhaul. Bob Hall 405-236-4255.

OBC OHIO BALER COMPANY, INC.
Your Source for all Recycling Equipment Needs

ALWAYS BUYING AND SELLING NEW, USED & RECONDITIONED EQUIPMENT

- 2 RAM BALERS • LOGGER BALERS
- METAL BALERS & SHEARS
- ALLIGATOR SHEARS • WIRE STRIPPERS
- SCRAP PROCESSING EQUIPMENT
- RELINE SERVICES

EXCLUSIVE HARRIS DEALER FOR OHIO, WESTERN PA. & WESTERN NY.

216-398-8800
www.OhioBaler.com

NOW BUYING

BUTYL RUBBER INNER TUBES

CALL 419-776-5065
E-MAIL jszy@dadecapital.com

HIGHEST PRICES PAID

NEXT DEADLINE 3/17
CALL TODAY 877-777-0737

Material Handlers

KUHN EQUIPMENT



2004 Sennebogen 830R HD - Hydraulic Cab, 50 ft. MH front, 15 kw Gen Set, Bateman 5-tine grapple, heavy duty U/C. A one owner, well kept machine!
\$119,000.



Cat 330CL - 3,600 hours, cab guards, heat & A/C, 2008 Genesis GXP500R (15,000 lb.). Mobile Shear w/360 rotation. VERY NICE PACKAGE!!! **\$289,000**



2005 Komatsu PC300LC-7 - 5,100 hours, cab guard, heat & A/C, 2007 Genesis GXP6600R MAXX Mobile Shear w/360 rotation. Low hours on shear.
\$279,000 FOB CA



2005 Cat M322C MH - 7,200 hrs., hydraulic cab, 12 kw Gen Set, 41 ft. MH boom & stick, outriggers x4, solid tires. Excellent. Through shop & work ready.
\$169,500

(800) 225-0623
sales@kuhnequipment.com

KOMATSU PW 220-7MH



2005 & 2006 MACHINES

Hydraulic cab riser, solid tires, gen-set, grapple, and A/C.

LOW HOURS

800-472-0453 Ivan Jacobs

Material Handlers

EQUIPMENT INTERNATIONAL

Call Ivan Jacobs today at
800-472-0453

Hydraulic Material Handlers
Mobile Shears & Grapples
Magnets & Gen-sets

ATLAS

2007 1804 (rubber), 52' reach, hydraulic cab, gen-set and grapple. (2,400 hours)

CATERPILLAR

2005 M325C REBUILT (rubber) with 50' reach, hydraulic cab, A/C, gen-set and grapple.

2002 M320 REBUILT (rubber), 39' reach, A/C hydraulic cab, gen-set and grapple.

2002 M318 (rubber), 36' reach, A/C, hydraulic cab, gen-set and grapple.

FUCHS

2006 & 2007 MHL350D (rubber), 52' reach, A/C hydraulic cab, gen-set and grapple.

2004 MHL 350 (rubber), 50' reach, hydraulic cab, gen-set and grapple.

2003 & 2006 MHL331 (rubber), 34' reach, hydraulic cab, gen-set and grapple.

2001 MHL360 REBUILT (rubber), 59' reach, hydraulic cab, gen-set and grapple.

2003 MHL 340 REBUILT (rubber), 41' reach, hydraulic cab, gen-set and grapple.

2001 MHL320 (rubber), 31' reach, hydraulic cab, gen-set and new 48" magnet.

1995 MHL 350 REBUILT (rubber), 50' reach, hydraulic cab, gen-set and grapple.

LIEBHERR

2004 R954EW (crawler), 59' reach, hydraulic cab, gen-set and grapple.

1999 R934EW REBUILT (crawler), 50' reach, 4' cab riser, gen-set and grapple.

1994 A932 REBUILT (rubber), hydraulic cab, gen-set and grapple.

SENNEBOGEN

2006 821M (rubber), 36' reach, hydraulic cab, gen-set and grapple.

2005 835M REBUILT (rubber), 55' reach, hydraulic cab, gen-set and grapple.

2004 825M REBUILT (rubber), 43' reach, hydraulic cab, gen-set and grapple.

2000 830M REBUILT (rubber), 50' reach, hydraulic cab, gen-set and grapple.

OTHERS

2005 & 2006 Komatsu PW220 (RUBBER), 41' reach, hydraulic cab, gen-set and grapple.

1996 KOMATSU PC240 REBUILT (crawler), 38' reach, 3' cab riser, gen-set and grapple.

2006 SIERRA T700SL shear/baler combination.

2005 SIERRA 5000 baler with crane.

2004 SIERRA T500SL shear/baler combination.

2003 NEW HOLLAND MH (rubber), 40' reach, cab riser, gen-set and grapple.

1995 NORTSHORE 2100 SE REBUILT (stationary electric -75HP) MH, 27' reach, cab, A/C and grapple.

(3) USED ROTATING GRAPPLES
USED 67" & 58" OHIO MAGNETS
NEW 4-TINE ROTATING
SCRAP GRAPPLES

NEW BELT OR DIESEL-DRIVEN
GEN-SETS COMPLETE

STATIONARY TRI STATE SHEAR, BALER, LOGGER. Has squeeze box. Very good older machine. \$49,900. Newton, Wisconsin. Please contact Eric, 920-693-8261, bbmetals@tds.net.

2008 CATERPILLAR



M325DL
Material Handler

Hydraulic Cab

20 KW Generator

51' 4 Reach, Grapple

78,000 lbs

Operating Weight

www.hescomachinery.com
CALL JOHN DAVIS 952-944-3611

Material Handlers

2005 KOMATSU PC300 LC-7 with Genesis 700 Shear

5,200 Hours • Cab • A/C
31.5" Tracks



\$289,500

ROAD BUILDERS 913-371-3822
MACHINERY AND SUPPLY CO., INC.

HEAVY EQUIPMENT SERVICES CO



2001 FUCHS MHL331 (Rubber) 36' Reach, Hyd Cab, Gen Set & Grapple

2006 FUCHS MHL350 (Rubber) 49' Reach, Hyd Cab, Gen Set & Grapple

2008 Caterpillar M325DL MH (Rubber) 51' Reach, Elev Cab, Gen Set & Grapple

2006 Caterpillar M322C MH (Rubber) 41' Reach, Elev Cab, Gen Set & Grapple

1999 Caterpillar M325B MH (Rubber) 50' Reach, Elev Cab, Gen Set & Grapple

2004 Liebherr A924 (Rubber) 42' Reach, Elev Cab, Gen Set & Grapple

2004 Liebherr A934 (Rubber) 47' Reach, Elev Cab, Gen Set & Grapple

2001 Liebherr R934 (Crawler) 52' Reach, Hyd Cab, Gen Set & Grapple

www.hescomachinery.com
CALL JOHN DAVIS 952-944-3611

NEW American-Built GEN-SETS & MAGNETS

800-472-0453 Ivan Jacobs

Miscellaneous

Helmke Motor
for
ALL
Shredders



In great condition!
2500 KW; 3600 volts

\$49,000

Loaded, your truck from
Willoughby, OH 44094

Call Kevin Klicman
800-372-2408

EQUIPMENT FOR SALE: Two Gruendler 5060 Vertical Hammer mill 500 hp electric motors with T conveyor & starter control panel. They are 2001 but put in service in 2003; MAC Saturn tire shredder, electric 300 hp; electric CBI Magnum grinder; 1998 Grundler 5060DH portable grinder Cat engine, call 914-906-7161.

Miscellaneous

COMPACT GENIUS GENSET



INSTALL DIMENSIONS:
L34" X W28" X H34"

- 13kW 57 AMP GENERATOR
- KUBOTA DIESEL ENGINE
- REMOTE CONTROLS IN CAB
- VIBRATION ISOLATED
- SHORT-CIRCUIT PROOF
- SAFETY SHIELD "CAPSULE"
- NO WEARING PARTS
- POWERS TO 58" MAGNET
- ALSO: 10kW / 20kW MODELS

FULL DETAILS ON WEBSITE
www.jobmachineryinc.com

MADE IN AMERICA BY
JOB MACHINERY, INC.

CALL 612-961-8893

SARGENTS EQUIPMENT & REPAIR SERVICE

Dedicated to Serving the

SCRAP Industry!

Material handlers in stock:
Liebherr A932, A934, A944
Cat-M320, M325C, 330C

Shears in stock:
PC 200/300R Genesis
Kobelco 350/660R Genesis
Cat 235D/500R Genesis
Genesis 500R/1000R

We Service what we Sell!

TO SEE OUR INVENTORY PLEASE VISIT
www.sargentsequipment.com
OR CALL US AT 708-758-2062

Hi-efficiency, new technology.
INCREASE PROFITS!

SWEAT FURNACES



US Furnaces's
MAX-4000
Also:

PARTS • REPAIR • CUSTOM BUILDS
518-424-1168
www.RecyclingFurnaces.com

WE ACCEPT CHECKS, MONEY ORDERS, MASTERCARD, VISA and DISCOVER.

Rates

Text Classifieds
\$60 for up to 50 words.
Add \$1 each additional word.

Display Classifieds
\$65 per column inch depth,
2.5" width.



**Classified
ADVERTISEMENTS**

ALL CLASSIFIED ADVERTISEMENTS MUST BE PAID IN ADVANCE.

To Place Your Ad

Call
877-777-0737

Fax
419-931-0740

Visit
AmericanRecycler.com

Miscellaneous

Miscellaneous

Software

NATIONAL DEMOLITION ASSOCIATION
Making Way

The NDA offers member support in so many ways. Membership benefits focus on:

Safety **Education**
Environmental **Advocacy**

800-541-2412
www.DemolitionAssociation.com

The Association represents everyone involved with the demolition process. Join today!

DUMP HOPPERS

Increase productivity with our rugged self dumping hoppers!

We have a wide range of sizes and capabilities to meet your specific needs.



Call us today!



800-757-1064
www.NISProducts.com

SALVAGE YARD SOFTWARE. Auto recyclers yard management system for Windows™ by Rossknecht Software. Obtain extra revenue from scrap vehicles. Includes vehicle parts breakdown, invoicing, bar code tags, digital pictures, reports, towing, sales history, bookkeeping. New: Scrap purchase invoice and prints checks; send your inventory to your website. \$750 complete, no monthly fees. Visit www.rossknecht.com, e-mail arsales@rossknecht.com. Free demo CD 303-884-5315.

EQUIPMENT FOR SALE

SHREDDERS

- Reitz PB24 Prebreaker 22"x33"
- SSI 450HP Diesel 42"x66" Shredder
- Retech 2007 RG32/20 Shredder 25HP

Perry Videx LLC • 609-288-4046
fgarcia@perryvidex.com • www.perryvidex.com

Scales

NTEP APPROVED, LEGAL FOR TRADE FLOOR SCALES: 4' x 4' 5,000 lbs. \$795, 5'x5' 5,000 lbs. \$1,100. Scales come factory calibrated with digital readout. Free shipping, other sizes and capacities available. Industrial Commercial Scales, LLC, 843-278-0342, sales@icscale.com.

Steel Buildings

STEEL BUILDING SUPER SALE!!!



Super Tough, Heavy Gauge STEEL BUILDINGS

- Workshops
- Equipment Storage

MODELS!

26 x 44	(2 left)
32 x 50	(3 left)
40 x 64	(1 left)
45 x 80	(3 left)
52 x 110	(1 left)

Easy, fast assembly!
No crane needed!

800/825-5059

24" GAS TANK STRAP CUTTER \$129

27" SLIDE HAMMER HANDLE GAS TANK STRAP CUTTER \$165

28" STEEL CABLE CUTTER \$99

33" COPPER & ALUMINUM CABLE CUTTER \$165

Blade opens 1-1/8"
Blade opens 2-1/8"

CALL JOHN HARTY TOOLS
800-253-5646

Shears

MOBILE SHEARS

with Cab Guards



1990 CAT 235 with CAT S340 rotating shear.
LIEBHERR R952HDX with Vibra-Ram shear.
2004 KOMATSU PC600 LC-7 with Genesis 1000R rotating shear.
2008 LINK-BELT 330 (1,900 hours) with Genesis 660R rotating shear.

800-472-0453 Ivan Jacobs

WE NOW OFFER HIGH QUALITY Grapples & Magnets

New Low Price for Lower-pressure ALLIGATOR SHEARS - Ideal for radiator cleaning, etc.

call **Shaughnessy** Hamburg, NY 800-549-0490
All 50 plus Canada!


YOUR RESOURCE FOR SHREDDER PARTS & SERVICE

- Supporting Most Makes and Models of Industrial Shredders
- Custom Parts and Machining
- Complete Field Service and Technical Support
- Engineering Services



Ph: 503-682-6487 • Fax: 503-682-1704
Email: info@shredderserviceco.com
www.shredderserviceco.com

'99 1100 ton Vezzani PC1023 AC



Very low hours • Many spare parts
Well maintained • \$950,000
FOB • Newton, WI
Contact Eric or Bob
(920) 693-8261 • bbmetals@tds.net


Tire Recycling

NEEDED: INDIVIDUALS INTERESTED in a 21st century, environmentally-sound, revenue-generating, proprietary crumb rubber and refracting system. Tires turned quickly, leaving nothing behind to waste. All components, (fiber, wire mesh, and rubber) are separated and generate revenue streams that will amaze the tire recycler. Write us at firesafe@comcast.net.

Trucks & Trailers

CONVERTO TANDEM PUP TRAILER. Original owners, used to haul additional containers to job sites. Original cost \$13,000. Equipment in excellent condition. Price \$5,000. Contact Svinga Bros. Corp., Miami, Florida. 305-635-4455

Advertise.
877-777-0737
American Recycler
 NewsVoice of Salvage, Waste and Recycling



Tell the world about it!

titanium



steel



aluminum



copper

rubber



inconel



Government Liquidation operates an exclusive contract for the U.S. Defense Reutilization & Marketing Service to sell scrap material to the public.

The scrap property offered for sale is located at over 60 scrap yards across the United States.

All sales of scrap material are conducted via our online auction platform through Internet Auctions, Sealed Bid Sales & Term Contracts.

With an estimated annual generation of over 300 million pounds of scrap, buying opportunities are unparalleled.

www.bidonscrap.com

**Government
Liquidation**

A Subsidiary of Liquidity Services, Inc.

NEW and USED Equipment



ORDER TODAY &
TAKE DELIVERY
AT YOUR YARD!

HIGH-SPEED BALER/LOGGER

- Larger Charge Box
- Variable Bale Size
- Increased Compression Force
- Extended Fuel Capacity
- Heavy-duty Knuckle Boom
- Superior Reach
- Superior Lifting Capacity



Used Equipment For Sale

1999 Al-jon Impact V

Portable car crusher with a 4-cylinder Cummins diesel engine. 11,400 hours. Automation, hydraulic landing gear and air compressor.

\$69,000

1990s Big MAC Portable Crusher

Air compressor, new automation, pump, repacked cylinder from 1 year ago.

\$69,000

1999 E-Z A+ Portable Crusher

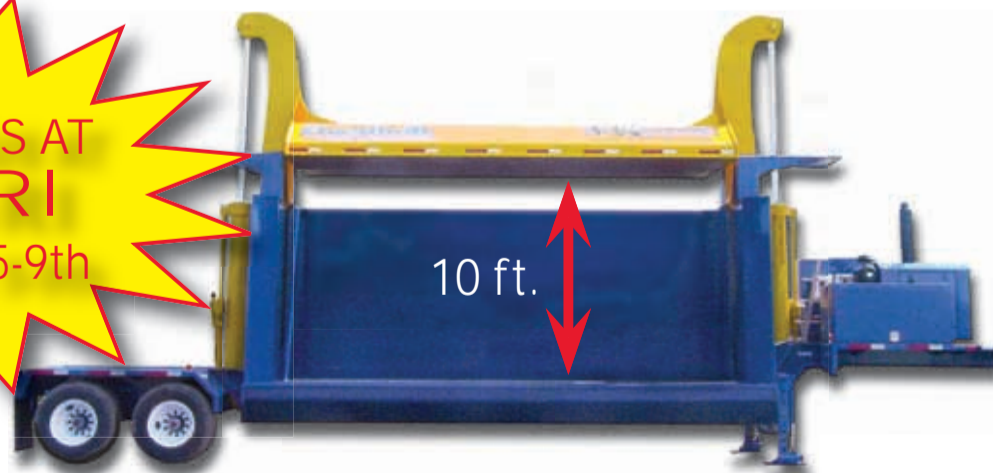
New tires in 2010. Rebuilt cylinder in 2009. Rebuilt 6-cylinder John Deere diesel engine in 2007. Automation, hyd. landing gear and air compressor.

\$77,500

1995 E-Z Log Baler 110 hp John Deere diesel engine with 4,550 hours. \$59,000

MAXIMIZE YOUR CRUSHING EFFICIENCY

SEE US AT
ISRI
April 5-9th



- 10 Foot Opening
- Advanced Oil Recovery System
- State-of-the-Art Automation System
- 400-gallon Fuel Tank and Optional Auxiliary Fuel Pump
- Optional High-speed Oil Bypass System
- Economical 4-cylinder and Electrical Models

800-548-6469
605-352-6469
www.OverBuilt.com
sales@overbuilt.com

OverBuilt INC

Huron, South Dakota

60,000 tons of C&D waste recycled by Reno Contracting

Reno Contracting, headquartered in San Diego, California, has recycled more than 60,000 tons of waste from construction projects since the beginning of 2009, accounting for an average 72 percent of construction debris diverted from going to a landfill. This amount is the equivalent of three football fields, each 100 feet deep.

Last year, Reno launched a new business group, Reno ESP (Efficient Sustainable Practices), to help commercial building owners enhance the energy and environmental efficiencies of new and existing buildings and structures while driving down operating costs.

Recycling waste from construction projects goes above and beyond the minimum required by San Diego City ordinance. More than half the projects accounting for the 60,000 tons of recycled waste have met, or are in the process of achieving, the more stringent requirements of LEED certification.

Material typically recycled includes metals, cardboard, concrete, asphalt, wood and landscaping debris. To achieve LEED certification, items such as wood, metal and drywall are sorted onsite separately from commingled trash.

Cement producer fined \$1.4 million for clean air violations

The United States Environmental Protection Agency (EPA) and the United States Justice Department announced that Cemex, Inc., one of the largest producers of Portland cement in the United States, has agreed to pay a \$1.4 million penalty for Clean Air Act violations at its cement plant in Fairborn, Ohio. In addition to the penalty, Cemex will spend an estimated \$2 million on pollution controls that will reduce harmful emissions of nitrogen oxides (NOx) and sulfur dioxide (SO2), pollutants that can lead to childhood asthma, acid rain and smog.

See **CEMENT FINE**, Page 6

PCBs in caulk: a looming issue for the construction and demolition industry

by **MIKE BRESLIN**

mbreslin@americanrecycler.com

Polychlorinated biphenyls (PCBs) contained in building materials, particularly caulk, are rapidly becoming a large issue for the demolition and construction industry, and for society as a whole. At the same time, environmental remediation of PCBs presents C&D contractors with a widening stream of new revenue opportunities.

John Lloyd, owner of Lloyd's Construction Services of Savage, Minnesota, is also chairman of the environmental committee of the National Demolition Association. Lloyd said, "If there's scientific data that proves that PCBs in caulk are harmful to the environment and getting into our waterways, we have to deal with it. Many firms belonging to the Association do environmental remediation. If it is proven harmful we will be there to service that need and do it properly, but we do not want to see unnecessary regulation that raises costs for building owners and eventually for the consumer."

Beginning in the 1980s, national attention on PCB clean up focused on mammoth superfund sites like the Hudson River and other rivers and lakes around the country that were contaminated by manufacturing plants that dumped PCBs into waterways. The nation's largest superfund site, the Hudson River, is taking decades and billions of dollars to remove contaminated sludge from 200 miles of river bottom.



Lab analysis of caulk samples can reveal whether they contain hazardous levels of PCBs.

Banned by the United States Environmental Protection Agency (EPA) in 1979, PCBs are perhaps the most pernicious of all man-made materials, extremely dangerous to the health of man and beast, non-soluble, non-



The removal of PCB contaminated caulking requires procedures and personal protection equipment similar to asbestos abatement.

biodegradable, difficult to identify and recover and costly to destroy by chemical, thermal or biochemical processes. The alternative disposal is a Subtitle C landfill that accepts hazardous waste such as PCBs with levels exceeding 50 parts-per-million (ppm) and not above 1,000 ppm, which is also expensive.

Now the next generation of PCB remediation is beginning to emerge for homes and workplaces, but especially for school buildings due to growing health concerns, expanding regulations and liability issues. The costs for this stage of the clean up could prove to be astronomical.

If regulators force school districts to perform immediate PCB remediation for caulking, it could cause widespread bankruptcies. Last December, the EPA urged New York City schools to replace light fixtures containing PCBs. New York officials estimated it would cost more than \$1 billion to remove and replace lighting fixtures in approximately 800 buildings across the city. They don't have the money. This does not even address PCBs widely found at hazardous levels in caulk and other materials, all in a school district hard-

pressed to provide basic educational services.

The issue is aggravated by another factor. Buildings containing PCB caulking, including many schools constructed during the 1950s and through the late 1970s are beginning to reach end of life. As they are scheduled for demolition or renovations, more people are calling for PCB testing. Suspect sites are also being reported to regulators by concerned citizens, parents of school children and environmental activists.

One such individual is George Weymouth, a 66 year-old retired union bricklayer-waterproofer who has been investigating PCBs in caulking, working with Harvard University's School of Public Health. Through 32 years of job-related experience, Weymouth is a caulking expert who surreptitiously takes caulk samples from schools and industrial buildings and has them tested. "I've been in so many schools I feel I have something to do with the health of the children throughout the country and I'm proud to have been on the forefront of this issue for my union."

See **PCB CAULK**, Page 7

You can't recycle wasted time.
Excel balers make bales faster and reduce time spent on labor and repair.

"We've been running a Signature 200 at Tri-CED for four years now, and this Twin-Ram really out-performs all the other balers we've used. We're pushing out 300 bales a day, easy, and I rarely use the operators platform - I'm on the floor loading and unloading. It's the best baler I've used: fast, rarely needs maintenance, practically runs itself, which gives me more time to move material - **Now that's an efficient use of time!**"

Steve Sims - Tri-CED Community Recycling,
Union City, CA

800 475-8812

www.excelmfg.com

Contact Excel to learn how we can help you save time and make more bales.



A Letter from the Editor

Readers,

Welcome to the March edition of American Recycler. This month we turn our focus on the construction and demolition industries.

In this month's cover article, author Mike Breslin writes about an emerging problem faced by those in the C&D industries – the presence of PCBs in aging building materials.

PCBs were used in myriad applications before they were eventually banned due to their toxicity and their classification as persistent organic pollutants. They are found in lighting fixtures, transformers, paint, adhesives and sealants, such as caulks, to name just a few.

The symptoms of PCB exposure are as varied as the applications the compounds were used in. While not as horrific as mesothelioma from asbestos exposure, PCBs can disrupt numerous biological systems in the body – including neurological, endocrine and reproductive systems. They are also carcinogenic and can wreak havoc on developing children by interfering with bodily hormones and impairing cognitive development, which makes the presence of these compounds in school buildings all the more worrisome.

There is a positive side, however. For every mess, there's a clean up crew, and the time for widespread remedial efforts is not far off. Opportunities are there for companies with the specialized skills, knowledge and equipment to enter the PCB remediation market and thrive. It's the asbestos fiasco round two, and the market needs a new generation of remediators.

If cleaning up hazardous materials isn't your thing, though, don't worry. As more people start to recognize the value of environmental-friendly and healthy building, the demand for specialized construction will grow as well. Every PCB contaminated building that is torn down will to be replaced with a healthier structure, and so there is yet another business niche that is sure to grow. Brush up on the LEED Certification standards, and perhaps your next construction project could grace the pages of American Recycler.

As always, feel free to write, e-mail, call or Facebook us with your comments and questions. Enjoy the warmer weather and have a profitable spring season. Until next month,



Dave Fournier
Focus Section Editor
david@americanrecycler.com

Massachusetts developer protects wetlands to settle clean water violations

The owner and general contractor of a residential development in Ayer, Massachusetts, have agreed to pay a penalty of \$27,500 and to donate a 7.6 acre parcel to the town to settle Environmental Protection Agency (EPA) claims that they discharged pollutants into nearby waters without the required stormwater permit and failed to apply for this permit.

According to the agreement signed recently with EPA's New England office, Crabtree Development will give the town 7.6 acres of the Pingry Hill development. This parcel, which is largely wetlands but also contains some upland areas, will be protected from development and used for educational purposes by the Ayer Conservation Commission.

About 31 acres have already been disturbed in developing Pingry Hill and the entire project is expected to disturb 135 acres.

EPA inspections in June 2009 found stormwater containing sand, dirt, sediment, suspended solids, residues of construction material and turbidity running off the site into nearby waters. At a follow-up inspection in December 2009, many issues had not been corrected.

Although construction began in September 2007, Crabtree did not apply for the required National Pollutant Discharge Elimination System General Permit for Stormwater Discharges from Construction Site Activities until January 2010.

"The wetlands being donated to the town have significant environmental value for flood control, pollutant reduction, habitat and education," said Curt Spalding, regional administrator of EPA's New England office. "The flood and pollutant control benefits will help offset some of the effects of the development."

Construction activities (including other land-disturbing activities) that disturb one acre or more are regulated under the NPDES storm water program. In Massachusetts, operators of regulated construction sites are required to develop and implement Storm Water Pollution Plans (SWPPPs) and to obtain permit coverage from EPA prior to commencement of construction activity.

AFL-CIO housing trust promotes green building

The AFL-CIO Housing Investment Trust (HIT) is helping to finance a number of energy-efficient development projects that have received or are on track to receive Leadership in Energy and Environmental Design (LEED) certification for their sustainable energy and construction strategies as well as innovative green design.

To date, the HIT has provided \$274 million of financing for 11 projects that have received or are expected to receive LEED designation. The projects have created 1,653 housing units and approximately 4,100 union construction jobs, while leveraging more than \$660 million of development activity for communities

in Minnesota, California, New York, and Massachusetts.

Examples include:

- Arc Light Co., San Francisco, California: The developer of this \$48 million project in San Francisco's South Beach community is seeking LEED Gold certification for the 94-unit complex. The HIT committed \$32.5 million last year for the project, which involves the conversion of a historic commercial building into an innovative multifamily development.

- Elizabeth Seton Pediatric Center, Yonkers, New York: Designed to be a LEED-certified facility, the new \$116 million Elizabeth Seton Pediatric Center is currently under construction just outside of New York City. Last year the HIT committed \$100 million in financing for the project that will feature a 137-bed inpatient center and on-site school for medically fragile children.

- Maverick Landing, Boston, Massachusetts: This HOPE VI project in East Boston achieved LEED certification following major redevelopment work that transformed the distressed public housing property into a quality affordable housing resource for the community. The HIT pro-

vided over \$2 million in 2005 to help finance the \$29 million third phase of the project, replacing old and deteriorated housing with 92 new rental units. Maverick Landing was the 2009 winner of the I. Donald Turner Prize, which recognizes successful and innovative affordable housing projects. The award credits Maverick Landing with being "Massachusetts's first green, affordable multifamily housing development, adhering to healthy homes principles and achieving LEED certification."

- Excelsior & Grand, St. Louis Park, Minnesota: The Excelsior & Grand mixed-use community just outside Minneapolis was awarded the nation's first "LEED for Neighborhood Development" certification. The HIT provided \$55.5 million in 2001 for the \$61.7 million project.

The LEED certification program is a nationally recognized benchmark for measuring the design, construction, and operation of high-performance green buildings. It was developed by the United States Green Building Council to encourage adoption of sustainable green building and development practices in the United States and around the world.

Gen7 classrooms CHPS verified

The Gen7 green classrooms, installed at Bolsa Knolls Middle School in Salinas, California, have become the nation's first modular classrooms to receive Collaborative for High Performance Schools (CHPS®) Verified recognition for new school construction. They are only the second school in California to successfully complete the CHPS Verified review process.

The Gen7's features underwent a rigorous third-party review of compliance with the California CHPS criteria school rating system, ensuring that the new school meets the highest green building standards for health, comfort and environmental sustainability. Designed and built to provide both a superior learning environment and a durable, cost-effective structure, Gen7 classrooms exceed standard building codes in energy use and indoor air quality, while substantially reducing operating and maintenance costs.

"The Gen7 classroom proves that a prefab structure can achieve the same desired high performance results as a conventional building," said Bill Orr, CHPS executive director.

The 5,760 sq. ft. facility was designed and installed in a little over 60 days, adding 6 permanent classrooms to meet the needs of sixth- and seventh-graders. The Gen7s are constructed almost entirely of recycled and recyclable materials, low- and no-VOC (volatile organic compounds) interiors and learning-enhancing acoustical design and climate control. Insulation in walls and roof reduce noise and minimize heating and cooling loss. Energy-efficient mechanical and electrical systems combine thermal comfort with innovative smart lighting and daylight harvesting to make each classroom a model of energy efficiency, exceeding California Title 24 Energy Code by more than 30 percent.



ISSUE	CLOSE	FOCUS
APR	03/17	Metals
MAY	04/18	Solid Waste
JUN	05/17	Alt. Energy
JUL	06/17	Municipalities
AUG	07/18	Solid Waste

Today is the BEST time to promote your company.

Ad space is limited, so don't wait...

877-777-0737
www.AmericanRecycler.com

Seven projects recognized in competition honoring uses of job order contracting

From constructing a replica of an Afghan marketplace used for anti-terrorism training to restoring the Buddy Holly Center, seven regional construction projects were named "Best of the Best" in their competition for the Harry H. Mellon Award of Excellence in job order contracting. Representing facility owners from the United States and Canada, these winners competed in a field of thousands of 2010 projects that used the construction-procurement system, job order contracting, to complete repair, alteration and maintenance projects.

The Harry H. Mellon Award of Excellence recognizes excellence in principles and practices while identifying unique and innovative ways of using job order contracting to complete construction projects. Repair, alteration, and maintenance work – the core of the job order contracting system – is essential for the safe and efficient use of public buildings and infrastructure. While essential, this work is often not glamorous. This award recognizes the facility owners and managers who perform this important function in an efficient and effective way.

"Each regional winner experienced the time and cost efficiency job order contracting brings to construction, repair and alteration projects," said Robert Coffey, president and CEO of The Gordian Group. "Project owners also saw firsthand they can complete projects on time, on budget, and with the quality they require."

The award is named for the inventor of job order contracting, Harry H. Mellon. He devised the system in 1982, which fostered a multi-billion-dollar industry that provides facility owners with a process to complete repair, alteration, maintenance and new-construction projects more efficiently and effectively, while saving time and money.

The award program was established in 2008. In addition to regional winners, one project is named the national winner. The national honor was presented to the New York City Department of Education for its Edible Schoolyard program. The following are the seven regional projects that were honored.

Other than America Training Center

The New Mexico Institute of Mining and Technology (NMT) saved 3 months and at least \$300,000 building a replica of an Afghan village and marketplace for anti-terrorism training. With clients registered to use the facility before construction began, its owner chose job order contracting because work could begin quickly and a proven contractor working on another project could be used.

The \$300,000 savings was realized by refining and documenting the process used to make and lay adobe bricks in the buildings. With a new method and using on-site equipment, the contractor reduced the cost of each of the 300,000 bricks by \$1. The cost of the project was \$2.5 million.

Additional savings came from eliminating the administrative costs associated with the competitive bidding process. With job order contracting in place, NMT's chosen contractor had already agreed to complete specific jobs at specific prices. United States armed forces and federal law enforcement agencies train at the facility.

Upper Des Plaines TARP Reservoir road and facilities improvements

The Metropolitan Water Reclamation District of Greater Chicago had two choices when facing budget cuts that would jeopardize a highly visible entrance improvement project. It could devote months to design the project and solicit bids and then risk losing funding when work began in the next fiscal year. Or, it could complete the project in the fiscal year using a job order contracting program already in place.

Twenty-eight days after deciding to use job order contracting, the project was underway, funded and scheduled for completion seven days earlier than initially planned. When completed, the cost of the Gloria Alitto Majewski Upper Des Plaines TARP Reservoir project was 16 percent lower than the original \$115,000 budget to build and landscape the access road. The facility was also completed on schedule, allowing it to serve as the venue for a 30 year retirement ceremony for an outgoing board commissioner.

Japanese Canadian Cultural Centre

The diversity of the seven major upgrades to the Japanese Canadian Cultural Centre made it a great fit for job order contracting because the system offers a database of thousands of construction and alteration tasks from which to choose, priced specifically for the Richmond B.C. market in Canadian dollars. That flexibility allowed the City of Richmond, B.C., Canada, to order improvements the staff desired without lengthy and expensive design and bidding processes.

The completed projects included replacing the roof, outfitting a water heater with restraints to withstand earthquake tremors, installing a new fire alarm system, replacing some carpet and replacing exterior light fixtures at the entrance.

Compounding the variety of projects, time and timing were critically important. Contractors had to complete work without disrupting functions while also roofing the building before weather turned cold and wet. The City of Richmond, B.C. is the first Canadian agency to use job order contracting. The Japanese Canadian Cultural Centre project, completed using The Gordian Group's job order contracting system, came in 18 percent below estimates by the facility's planner.

Pierce Hall Lab Renovation

Special items like fume hoods and hundreds of filing drawers with engraved numbers could not slow work to merge two classrooms into one science lab at the University of California Riverside. A full 1,400 sq. ft. of space was remodeled and

See JOB AWARDS, Page 7

Tekla releases new collaborative modeling software

To make building information modeling (BIM) a tool for everybody, 3D modeling software provider Tekla has launched a BIM application for model-based collaboration. Tekla BIMsight is for everyone in the industry to share information for free. Now contractors, designers, architects, MEP detailers, fabricators and anyone who is interested can combine models, check for clashes, perform spatial coordination and collaborate using Tekla BIMsight.

Tekla BIMsight allows anyone to combine and review building information models from all project team members. Everyone can check these models using clash management routines as well as manage and assign those clashes. Using the industry standard IFC format, Tekla BIMsight provides a 3D communication platform that makes sharing models and information clear and easy. And the real benefit – it is free.

"Tekla's mission is to enable BIM for everyone, multiplying the users' potential to think and achieve big in their projects and businesses," explained Tekla Inc. managing director Hans Ehrnrooth. "Leveraging BIM as a centralized process rather than 'just a 3D model' requires cooperation and goodwill between the construction disciplines."

Tekla BIMsight is ready to download for free at www.teklabim-sight.com. Video tutorials and an online user community make it easy for anyone to get started visualizing and communicating with building information models.

SARES-REGIS Group's Canyon Point industrial project earns LEED Gold

Canyon Point, SARES-REGIS Group's development of 3 industrial buildings totaling 120,000 sq. ft. in Anaheim, California has received LEED Gold certification from the United States Green Building Council (USGBC). One building totaling 31,744 sq. ft. remains available for sale or lease.

Two of the buildings sold before the project was completed last fall. Woongjin Chemical America, a South Korean maker of water purification equipment for industrial use, purchased the first building, fulfilling a corporate mandate to buy or lease green facilities, John Hagestad, man-

aging director at SARES-REGIS Group of Irvine, California, said. The building is 32,554 sq. ft.. The price was \$4.5 million.

A larger building, totaling 57,593 sq. ft., was acquired by Chinese cabinet and tile distributor HSJQ for \$7.4 million.

Canyon Point received 26 design points and 13 points for construction from the USGBC, which presented the development the second highest LEED certification award, said Patrick Russell, senior vice president in SRG's commercial development division.

For more information, go to www.sares-regis.com.

ClearSpan™
fabric structures

Sustainable
Design-Build Solutions

FLEXIBLE FINANCE SOLUTIONS
ON FABRIC STRUCTURES & GREENHOUSES*
TERMS UP TO 10 YEARS RATES AS LOW AS 4.99%
AS LITTLE AS 10% DOWN *Subject to credit approval.

MADE IN USA

Buildings available up to 300' wide.
Low in cost per square foot.
Natural daytime lighting.
Easy to relocate.
Expandable.

Call one of our ClearSpan specialists today at
1.866.643.1010 or visit us at www.ClearSpan.com/ADAR.

EQUIPMENT SPOTLIGHT

Concrete Crushers

by **MARY M. COX**

maryc@americanrecycler.com

According to Jay Giltz, the outlook is good for those in the business of concrete crushing. "Even though highway funding over the past two years has been limited, we believe the industry will begin to pick up for two reasons: the Federal Highway Administration (FHWA) has begun specifying more recycled product, and throughout the United States, state legislatures are following suit. Although some states still favor virgin aggregate due to a large number of state quarries, the



Eagle Crusher Co., Inc.

nation as a whole is trending toward a mix of virgin and recycled spec product."

Giltz is a member of Team Eagle Sales. Eagle Crusher manufactures a complete line of heavy-duty impact crushers, portable crushing systems, screening plants, and conveyors for the recycling and aggregate markets. Giltz commented, "Set-up time and downtime are two of the biggest challenges in this industry, but our enclosed, gas-powered hydraulic motor and controls provide easier set-up and maintenance. Also, we deliver parts fast, so customers are up and crushing rather than down and waiting. The reality is, if customers are not up and crushing 24/7, they're losing money."

Designed for high-volume production and minimal downtime, the Eagle Crusher line of UltraMax® Portable Crushing and Screening Plants and UltraMax impactors deliver marketable products at a lower cost per ton for maximum profitability. Eagle Crusher customers utilize the UltraMax Plants and impactors to recycle demolition debris, including asphalt and steel or heavily reinforced concrete, to make a cubical spec product. Giltz reports that his typical customer produces anywhere from 60 to 800 tons per hour (TPH), with an average

of 150 to 250 TPH. Plants are also used in the aggregate industry to crush sand and gravel, limestone, basalt and shot rock.

Eagle's E-Plant, with applications for concrete crushing and recycling, is their newest product. The Eagle Crusher UltraMax 1200-25CC is the most popular concrete crusher they now offer. This closed-circuit plant takes a large feed size and makes a spec product from concrete rubble, right on site.

The portable UltraMax 1200-25CV is suitable for primary and secondary crushing. Other products

offered include: the portable UltraMax 1400-45, a high-volume, primary/secondary crushing plant; the portable UltraMax 1000-15CC, which easily converts to a high-output secondary crusher; the UltraMax 1000-15CV, ideal for frequent site changes and sizeable production; the portable UltraMax 500-05CC, which is ideal for a variety of aggregate and recycled materials; and the portable UltraMax 500-05CV, which is highly portable and ready to crush in 30 to 60 minutes.

There are seven models in the UltraMax line of impactors, designed for bare-shaft, skid-mounted, and portable applications.

The Hybrid Traxx offers all the advantages of a portable crusher in a versatile track machine. "For all of our customers who must handle debris of any kind, Eco-Crusher® products recoup much of their costs by providing the capability to recycle on-site.



Giberson Enterprises

From the hardest of rock, to asphalt, concrete with rebar, sand dirt and trash piles – the portability of an attachment makes it best suited for the smaller



Genesis Attachments

volumes of debris and aggregate that our customers deal with on a daily basis," stated Larry Giberson, vice president and owner of Eco-Crusher manufacturer, Giberson Enterprises.

The company has recently expanded its product line to include crushing, screening and recycling attachments for skid-steers all the way up to 120,000 pound excavators. Production outputs for the Eco-Crusher lines now range from 10 TPH to an impressive 200-plus TPH. One new rotary bucket has a 2 1/3 yard capacity and can produce material at a rate of 135 TPH.

"The Eco-Crusher ability to reclaim steel from concrete has been a popular feature with our customers – they have given us plenty of positive feedback about that," Giberson said. He also noted, "A crusher attachment does not require the same permit or approval hassles that are often associated with larger crushers. Recycling on-site is very popular now for a variety of reasons, some related to legislative trends. We offer products for this developing market niche. Our products provide a very favorable cost-per-ton to produce finished product – the commodity involved, which is why our products are the best solution for our customer's jobs. As fuel costs fluctuate, the industry frequently turns toward portable on-site recycling, to minimize fuel costs and boost the bottom line," Giberson said.

"Genesis Attachments is a global leader in the design and manufacture of high-quality excavator attachments, including concrete processors, grapples, shears and specialty attachments.

See SPOTLIGHT, Page 5

Manufacturer List

American Pulverizer
James Holder
314-781-6100
www.ampulverizer.com

Atlas Copco Construction Equipment
Kevin Loomis
800-732-6762
www.atlascopco.us

Baker Kurtz
Ashley Farmer
815-332-1600
www.kurtzcrushers.com

BTI
Mike McFarthing
519-599-2015
www.rockbreaker.com

Eagle Crusher Company, Inc.
Bradley Kemerling
800-253-2453
www.eaglecrusher.com

Genesis Attachments
David Palvere
715-395-5252
www.genesisattachments.com

Giberson Enterprises
Larry Giberson
888-789-3262
www.ecocrusher.com

IROCK Crushers LLC
Sean Donaghy
866-240-0201
www.irockcrushers.com

Sandvik Mining and Construction
Jeff Heinemann
800-826-7625
www.mc.sandvik.com/us

Screen Machine Industries, Inc.
Steve Cohen
740-927-3464
www.screenmachine.com

Telsmith, Inc.
Bob Meyers
800-765-6601
www.telsmith.com

Terex Minerals Processing Systems
Ed Sauser
319-363-3511
www.terexmps.com

Universal Engineering
Gerry Mangrich
319-369-5416
www.universalcrusher.com



**VISIT THE IROCK BOOTH AT
CONEXPO & SEE OUR
NEW PRODUCTS!**

**866-240-0201
WWW.IROCKCRUSHERS.COM**



**BOOTH#
624**



The Center for American Progress releases statement regarding President Obama's Better Buildings Initiative

Bracken Hendricks, senior fellow at the Center for American Progress (CAP) released the following statement in regards to President Obama's recent announcement of the Better Building Initiative:

"President Obama's unveiling of an array of ambitious and achievable energy efficiency savings measures for our nation's commercial-building owners could not be better timed. The president's 'Better Buildings Initiative,' will result in thousands of new jobs for construction workers hard hit by the great

recession and housing market travails, \$40 billion per year in energy savings for United States commercial-building owners and substantially less greenhouse gases escaping into the atmosphere to warn our planet.

"The President called this our generation's Sputnik moment, and rebuilding America's offices and commercial buildings goes to the very heart of our economic competitiveness. The building materials and advanced technology that go into energy efficiency retrofits have over 90 percent American domestic con-

tent, and the firms that will create these jobs are mostly small businesses. The President's Better Building Initiative will grow the market for cutting edge clean-energy technologies made here in America.

"Buildings (commercial and residential) account for 70 percent of all electricity consumption in the States and 40 percent of total domestic greenhouse gas emissions today. Yet much of our housing and building stock is old, inefficient, and unnecessarily wasteful. While building codes and green building stan-

dards offer a tool for achieving deep improvements in energy use for new buildings, half of the buildings that will be standing in 30 years already dot our landscape.

"The President's initiative has the right focus on overcoming barriers to financing projects, helping small business and giving consumers better information. When America innovates, we can compete and win in emerging clean energy industries. Better Buildings offers a sound foundation for building a better future."

Spotlight

■Continued from Page 4

We also provide multiple product lines designed for concrete processing applications," stated David Palvere, director of business development.

He said their Logix Processor LXP features an industry-leading quick-change jaw design, to provide powerful multiprocessor capabilities. "The product is ideal for concrete processing. The LXP with a concrete cracker jaw, designed for concrete recycling, features jaw tips that concentrate force to more thoroughly crush heavy concrete. Our Genesis concrete processor provides unparalleled crushing power, up to 50 percent faster cycle times and a large jaw opening that increases productivity and easily processes oversized reinforced concrete. Replaceable cutting blades eliminate rebar torching, and bolt-on wear components dramati-

cally reduce overall maintenance and operating costs," said Palvere.

Genesis also offers a demolition recycler, the GDR, which is designed for concrete processing and recycling. The GDR is available with a large opening pulverizer and concrete cracker jaw options. Their mechanical pulverizer, the GMP, stands up to the rigors of concrete processing and removal. The product's proprietary, bolt-on teeth are easily replaced and fully protect the parent material from wear. In downsizing or preparing fill to be left on-site, the GMP quickly processes concrete walls, floors, decks, foundations and pre-cast structures.

The Genesis concrete cracker, or GCC, combines strength, efficiency, speed and economy to crush and pulverize concrete while simultaneously cutting rebar. The GCC is quickly mounted in place of an excavator's bucket and operates off the existing bucket cylinder to downsize material, including rebar-laden, high-strength concrete, for feeding into a stationary jaw crusher.

Palvere noted that end-users benefit from fast cycle times and plenty of crushing force from their tools, because they enable them to process large piles of concrete quickly. "Flexibility is also important. So, having the ability to switch tools or jaws rapidly adds opera-

tional up-time and increases machinery utilization, which in turn, generates revenue," he said.

He continued, "Recycling has been factored into almost all demolition projects for environmental reasons, but it should also be profitable to secure full participation. Separation of materials, concrete and rebar, is important to make each end product saleable and reusable. While everyone wants to do the right thing, many face challenges in completing projects profitably. Purchasing tools that offer performance and flexibility can facilitate processing in most concrete recycling applications."

Never ask two questions in a business letter. The reply will discuss the one you are least interested in, and say nothing about the other.

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.

To be listed in the appropriate spotlight, please call 877-777-0737.

UPCOMING TOPICS

4/11	Container Loading Systems
5/11	Refuse Bodies
6/11	Solar Energy Systems
7/11	Collection Technology
8/11	Waste Receptacles

American Recycler is not responsible for non-inclusion of manufacturers and their equipment. Manufacturers are to contact American Recycler to ensure their company is listed in the Equipment Spotlight.

Increase Your Efficiency. Maximize Your Investment.

The 5064 Horizontal Grinder



5064 FEATURES

- Versatile NEW grinder increases your efficiency and maximizes your investment
- Available on a track or trailer
- Large feed opening and 64 inch hammermill

- Three different level options of CAT Tier III horsepower ranging from 475 hp (354 kw) to 630 hp (470 kw)
- Manufactures a range of tub grinders as well

Call today or visit us online to learn more.
888-210-0902
www.duratech.info/american



A Closer Look

by Donna Currie

Waste Away Services

Tom Wray • 419-865-3200

Tom Wray owns and runs two very different businesses that work hand-in-hand – most of the time. Waste Away Services deals with hazardous waste removal including identification, labeling, packaging and arranging transportation. Professional Environmental Trainers Association (PETA) trains employees at businesses that deal with hazardous materials to comply with OSHA, DOT and EPA regulations.

Wray said that most of Waste Away customers also need some training done, and many of his PETA customers also have material to be removed. There are some customers, however, that only deal with one of the two entities.

Wray started the business in 1986, and he incorporated at the end of the year, but it wasn't something he'd planned. "I never really intended to do it," he said of starting his own business. He had previously worked for cleanup companies and after an issue with getting time off, he quit the job and went out on his own.

"I started the business in the basement of my home with a table, a lamp and a chair," Wray said. His first major upgrade was "an Apple computer with a 20kb hard drive and an impact printer."

Although many businesses had a rough time last year, Wray said he had a good year due in part to several projects he networked on with other companies, where he worked on things those companies didn't handle.

What his company does handle is a lot of solid hazardous waste, most of which ends up at incineration plants – often by customer request. Some materials are treated to reduce or eliminate the hazards, and still others can be reused or recycled. In particular, he sometimes handles exotic metals like platinum, nickel and chromium. Mercury switches, batteries and computer components are also recycled.

When it comes to solvents and chemicals, Wray tries to find a home for them, but said, "If they're contaminated, there aren't any companies that are interested."

Right now, the company has three employees including Wray, but he has several others who he networks with, and there are subcontractors he calls on when he needs them. In particular, he will hire subcontractors for some of his training work, so the participants don't get tired of hearing the same trainer all the time.

Wray said that the training business is constantly changing because regulations are being updated more often. The DOT in particular makes frequent changes, which means that people need more training to stay current. Where companies used to hire trainers to come in every few years, more are opting for annual training.

To keep himself current on regulations, Wray is constantly monitoring DOT, EPA and OSHA websites looking for new information and upcoming regulations, and he attends seminars and classes of interest. As an OSHA-authorized trainer, he is required to take their classes to remain authorized.

But it's not just government regulations he has to worry about. Shippers like FedEx also have their own regulations for shipping that go beyond the government's requirements, and there are even more regulations for shipping materials overseas. "There's an enormous amount of paperwork involved," he said.

Wray said that the disposal business is also changing, with more companies interested in finding ways to reduce the amount of waste produced and to find ways to reuse and recycle materials rather than dispose of them. For final disposal, many customers are requesting that the materials be incinerated, and Wray said that he often recommends that option, as well.

Wray expects that the trend for reuse and recycling will continue to evolve, but that there needs to be more innovative ways to reuse some of the waste. The problem is that it's risky for recyclers to try to recover materials that might not be worthwhile.

He noted that in the rubber industry, the big problem is getting fiber out of the rubber and "if there was an effective way to separate, there would be a way to recycle the material."

While more things – like computers and light bulbs – are now being recycled, he said that cost is a factor. There will be more recycling done when it's more cost-effective to recycle or reclaim materials than to dispose of them.

While Wray's business used to be nationwide, he recently scaled back to operate mostly in Ohio, Indiana and Michigan. He travels outside that area for customers with multiple locations, but he prefers to stay in a smaller geographic region.

Wray said he likes to travel and likes the variety of work he does, but he also enjoys the detailed work on large, complex disposal jobs. "I definitely go look at the projects," he said. "I want to see it, to know what the circumstances are."

Although he will sometimes hire people to help, he likes to keep an eye on everything to make sure every last bit of material is properly labeled and packaged. "There's no amount of money you can pay me to go to jail," he said.



—Tom Wray

Cement fine

■Continued from Page 1

The settlement addresses modifications Cemex made to its cement plant without obtaining the proper permit, as required by the Clean Air Act. Major sources of air pollution are required to obtain permits which require the installation of pollution control technology before making changes that would significantly increase air emissions. Today's settlement ensures that the proper pollution control equipment will be installed to reduce future emission levels.

Cemex will install state of the art control technologies that will reduce annual emissions of NOx by approximately 2,300 tons and SO2 by approximately 288 tons. Air pollution from cement plants can travel significant distances downwind, crossing state lines and creating region-wide health problems. These effects can have greater impacts on communities disproportionately exposed to environmental risks and to vulnerable populations, including children.

Reducing air pollution from the largest sources of emissions, including cement facilities, is one of EPA's National Enforcement Initiatives for 2011-2013. The initiative continues EPA's focus on improving compliance with the new source review provisions of the Clean Air Act among industries that have the potential to cause significant amounts of air pollution. In fiscal

year 2010, EPA's enforcement actions in the cement manufacturing, coal-fired power plant, glass and acid sectors led to approximately 370 million pounds of pollution reduced or treated, \$1.4 billion in estimated pollution controls and \$14 million in civil penalties.

Cemex, a global building materials company provides cement and concrete products to construction projects in every sector: industrial, commercial, residential and municipal, with more than 100 aggregate quarries and hundreds of ready-mix concrete plants in the United States. Cemex is one of the largest producers of cement in the United States, owning and operating 14 Portland cement kiln plants. Its headquarters is located in Houston.

In January 2009, Cemex agreed to reduce emissions and pay \$2 million fine to settle Clean Air Act violations at another one of its cement plants, located in Victorville, California.

The \$1.4 million penalty will be distributed between the United States, the state of Ohio and the Regional Air Pollution Control Agency serving Ohio's Clark, Darke, Greene, Miami, Montgomery and Preble counties. The state will contribute 20 percent of its share of the settlement to Ohio EPA's Clean Diesel School Bus Program Fund.

The proposed consent decree lodged with the United States District Court for the Southern District of Ohio, Western Division, will be subject to a 30-day public comment period.

The 50-50-90 rule: Anytime you have a 50-50 chance of getting something right, there's a 90 percent chance that you'll get it wrong.

WHO SEES YOU?



Everyone would, if you advertised in American Recycler.

FREE
AD
DESIGN

877-777-0737
www.AmericanRecycler.com

OVER
34,000
READERS

PCB caulk

■Continued from Page 1

In the late 1990s, Weymouth was sent by his union to be trained as a construction safety and health specialist. He worked with the Center for Construction Safety and Health Research and Training, formerly the Center to Protect Workers' Rights. There Weymouth teamed with other trained journeymen and industrial hygiene researchers to measure respirable silica exposure generated from construction tasks like masonry work and abrasive blasting. This work contributed to efforts by his union to develop contract language that would require employers to use water or local exhaust ventilation when cutting or grinding masonry.

A few years after retirement, Weymouth began working with Dr. Robert Herrick, a senior lecturer at Harvard's School of Public Health, and began to take samples of caulk in Massachusetts and New York City schools and industrial buildings. Over the past few years he has acquired and tested caulk samples from approximately 150 buildings. "One sample was a piece of caulk that fell out of a window and was lying on the ground. We had it analyzed and it was off the charts with PCBs, in the range of 90,000 ppm. I have taken samples ranging from 60,000 to 240,000 ppm. I'm on the road now and for every six samples I take, four are hot."

PCBs have a range of toxicity and vary in consistency from thin, light-colored liquids to yellow or black waxy solids. Due to their non-flammability, chemical stability, high boiling point, and electrical insulating properties, PCBs were used in hundreds of industrial and commercial applications.

For a scientific overview of PCB caulking, we spoke with Ann Casey, technical services manager at NEA-Pace Analytical Service. NEA-Pace operates a state-of-the-art 15,000 sq. ft. laboratory in Schenectady, New York that is home to some of the most advanced PCB analysis in the world. "PCBs were pretty much used in everything. Everyone always points to transformers and capacitors. Fifty percent of Monsanto products did go to that, but where did the other 50 percent go? That's the part people miss. They are in caulk, floor tile, ceiling tile, paints, wire, ballasts and in gymnasium floors because of the varnishes and oils."

In 2006, primary school districts began to find PCB in caulk. Since the mid-1990s the New York State dormito-

ry authority that oversees the state university system has been looking at caulk "It greatly concerned people to find a piece of caulk that has 250,000 ppm or 25 percent of its weight PCBs. That's huge. You have to start worrying about how much contact people are having with PCBs and if it's getting into the air and the soil around the buildings," said Casey. (For soil, the clean up standard in New York State is 1 ppm PCB).

"There are a lot of rules and regulations out there, but it depends on how they are applied. It's different in every state. The only thing that supersedes everything is the federal Toxic Substance Control Act (TOCA). If it exceeds the 50 ppm rule, it's considered hazardous waste and you are required by law to treat it as such," Casey added. This is where it becomes difficult for contractors. You can't tell by looking at caulk if it's contaminated. It must be tested."

What if debris is not tested and it is refused at a landfill because it's greater than 50 ppm?

"That's what happened with school districts," reported Casey. "We've had contractors that have done window jobs and then find PCBs well above 50 ppm. They have contaminated the soil around the building and inside the school. Now you have to find out where the PCBs are coming from (caulk, light ballast, paint floor or ceiling tiles) and how far the contamination has spread. That can be costly. I tell contractors to always take samples before starting a job. Some sample indoor air and if the air higher than 100ng/m3, the job changes. Some just test the caulk and wipe samples. If PCBs are greater than 50 ppm in a solid they have to go into what is being called asbestos protocol. Most contractors are heeding the warning, but, unfortunately some are not."

The cost for a basic caulk analysis at NEA is approximately \$75, which includes a report. "We've had clients that tested 10 windows in a row that were screaming with PCBs. Then the next four windows had absolutely nothing, and then it goes back to screaming with PCBs. We've done thousands of caulk samples. Generally, if there are PCBs it's usually over 50 ppm. "In paints, we found PCBs up to 700 ppm," and in air samples it has been well over 1000 ng/m3," said Casey.

According to the EPA, PCBs have been shown to cause cancer in animals and a number of serious non-cancer health effects on the immune system, reproductive system, nervous system,

endocrine system and other negative health effects. At this time, the EPA only goes as far to say that PCBs are potentially cancer-causing and can cause other harmful effects in humans. Numerous independent research studies have demonstrated ill health effects in humans.

"You look at some caulk and it looks brand, spanking new and it was put in 35 years ago," Casey elaborated: "While it's still holding its integrity, it has contaminated other materials around the caulking with greater than 50 ppm. We've seen that again and again in wallboard, brick, masonry, oils, varnish and in adjacent soil. It's all contaminated. What we don't understand as a scientific community, is how the PCBs are moving through the caulk into the surrounding materials and getting into the air. This isn't like lead or asbestos where it travels on dust particles, it actually goes into a vapor form in indoor areas of classrooms or other buildings being tested. That's where it starts to become really scary...what it's generating into the air and what our kids are being exposed to."

Enterprise Network Resolutions Contracting (ENRC) in Winslow, New Jersey is a toxic substance remediation and waste management company in business for 25 years. Ted Budzynski, CEO, said that ENRC finds PCB levels in caulk below 50 ppm most all of the time, but he related a cautionary tale on the consequences of contamination. "PCB oils are often found in the make-up of concrete and brick. That has become a major issue in New Jersey. What changed the landscape of concrete-masonry waste management in 2007 was the demolition of an old Ford Motor Company plant in Edison, New Jersey. The demolition contractor took down the plant and recycled the concrete and brick into a by-product which was distributed to about 10 to 15 sites around the state. Someone took samples at one site and found it had PCBs, along with other constituents, that exceed New Jersey non-residential cleanup standards (levels less than 50 ppm), which is fairly high when your clean-up level for residential standards at the time was .49 ppm. The responsible party, a site developer, was required to go back and remediate those sites in some fashion. The bigger problem was the contaminated material was mixed with soil that doubled or tripled the original volume from the Ford Plant. Ford and the developer had to foot the bill."

"Identifying PCBs in caulking is relatively new and just beginning to be

regulated. In the past, we rarely tested for it, but we are starting to do so now," said Mike Casbon, senior construction manager of Environmental Resources Management, Inc. (ERM). ERM is a global provider of environmental, health and safety, risk, and social consulting services. Casbon is also chairman of the health and safety committee of the National Demolition Association.

"We all knew about PCBs in capacitors, transformers and oils, and we have been removing and cleaning that stuff up for years, but some of the new identifications have to do with caulking issues and landfill investigations that have come up. At the Demolition Association, we have been actively talking about the caulking issue for two years," said Casbon.

"It's a very tricky subject. A lot of the states run programs and enforce it in different ways. Texas handles it one way, Minnesota another. There's no clear enforcement policy in the United States. It's jurisdiction by jurisdiction. The demolition industry is prepared to handle it, but it's more of an educational issue for customers asking for demolition. We may have to come back to the customer and say there's PCB caulking and it has to be handled differently and that's going to increase costs, on some jobs maybe \$50 to \$100 thousand dollars, which in today's economy could make or break a project."

PCBs in caulking were most heavily used in northern states because the compound facilitated application in cold weather. Besides sealing windows and door frames, heavy applications were applied to masonry expansion joints, stairways, and roof soffits. In warmer states, lower levels of toxicity are often found, or none at all. Testing is the only way to tell. Many laboratories do not have the technology to accurately analyze PCBs.

George Weymouth, the secret agent of caulk sampling, summarized the problem from his standpoint - "PCBs in caulking is a dirty little secret, a widely unrecognized source of PCB contamination. People just don't want to deal with it because of the money involved for proper removal and containment."

The opposing view is that PCBs in building materials should be handled properly, but with common-sense, patience and regulations that don't break the bank.

For more information about PCB problem in schools, visit: www.pcbin-schools.org.

Job awards

■Continued from Page 3

refitted with hoods and laboratory-grade cabinetry and countertops, as well as new plumbing and lighting fixtures.

The \$314,000 project was completed on schedule and in plenty of time for the first classes of the semester.

Collins Park Cultural Center

From the ground up, job order contracting guided renovations to the Bass Museum and Historical Rotunda at the

Collins Park Cultural Center. The \$6.56 million project encompassed a wide variety of site preparation, hardscape, lighting and restoration work. Job order contracting shaved months from the procurement process on this time sensitive project. The project was completed on time and \$240,000 under the budget of \$6.8 million.

Spring House Restoration

Public school officials in Loudoun County, Virginia, turned to job order contracting to have a registered historic landmark restored while a new high school

was built at the same site. Known as the Spring House, the building was overgrown by vegetation and required major restoration.

Work on the \$27,800 project began just 11 days after officials decided to separate the restoration from the school construction.

Buddy Holly Center Renovation

Keeping restoration of the Buddy Holly Center on track was the main driver behind the choice of job order contracting. Restoration of one entire building and a corridor in the complex tested the effi-

ciency of job order contracting in terms of time and money.

Located in Lubbock's historic Fort Worth and Denver South Plains Railway Depot, the center features a beautiful Mission, Spanish Revival style reminiscent of the 1920s era. Despite the meticulous restoration work required, the project was completed on time and under budget. The savings that resulted from using job order contracting spared enough money to have the statue of Buddy Holly restored as well.

DADE Capital Corp.
800-823-9688
 Perrysburg, OH



Visit DADECapital.com for a complete list of current equipment and more photos.



LIEBHERR A904 MATERIAL HANDLER

9,600 hours, 10kw gen-set and grapple. Nice condition.

\$85,000



AL-JON 400 METAL BALER

Great condition and very sharp, runs well.

\$95,000



STEINERT NES 80 EDDY SEPARATOR

NEW - Never installed. Save 40K!

\$235,000



SIERRA 4200 PORTABLE METAL BALER

Nice condition, ready to go.

\$105,000



1997 SIERRA 700-TON S/L/B

17,000 hours, electric power. Runs well.

\$440,000

80 x 104 TEXAS SHREDDER COMPLETE SYSTEM



2004 Metso Texas 80104 Auto Shredder Completely Rebuilt and IMMEDIATELY AVAILABLE to install.

This is a fairly complete system EXCEPT for the shredder house and controls and a transformer for the 4000HP motor.

What you get with this purchase:

Shredder Main Components:

- Completely REBUILT Metso Texas 80104 Auto Shredder Mill with all new liner plates and grates.
- Base RELINED.
- Mid section with NEW Front Wall Weldment from Riverside Engineering and RELINED.
- Top section RELINED with eject door.
- Hood RELINED.
- Undermill Vibration Springs.
- Disk Rotor and bearings about 80% good and a good SPARE ROTOR SHAFT AND BEARINGS.
- Dual Hydraulic Feed Rollers with a Hagglund Drive and a SPARE LOWER FEED ROLLER.
- Complete Hydraulic System for Mill.
- Mill Bearings lube unit.
- NEW US Shredder Cat Track Infeed conveyor.
- REBUILT BEST, Inc Undermill Oscillator 76" x 16.2'.
- First Transfer Conveyor REBUILT.
- Dual Magnet Stand with Stearns 48" x 72" magnets, Vibrator and 2 SPARE USED MAGNETS.
- Two additional used conveyors for trash & ASR.
- REBUILT Trommel with NEW screen.
- One NEW US Shredder four man picking conveyor 48" x 30' with 4 drop bins, walkways and 2 set of stairs.
- One NEW US Shredder Ferrous Radial Stacking Conveyor 48" x 70'.

You also get non-ferrous equipment, motors and controls, and spare wear parts — there are too many details to list here!

To see more photos of this system, visit www.dadecapital.com/shredder

PLEASE, SERIOUS CALLS FROM SERIOUS BUYERS ONLY



JEFFERY 62 X 90 HAMMERMILL SHREDDER

REBUILT. 800 h.p. electric motor (accepts up to a 2,000 h.p. motor) and has an extra base, reversible hammers and an oscillator table. It also has a pin puller, slope feed table, drive sheaves, tilt cylinders, extra bearings and eddy system.

\$450,000



2007 MARATHON MODEL: 2R 190N

(2) 30 hp motors, main cylinder: 9". Feed Opening: 40" x 70". Bale separation door. Used under 6 months.

\$205,000



1997 E-Z CAR CRUSHER

Immaculate condition. Automation, no air or hydraulic outriggers. This machine has the original paint and the meter reads 3,100 hours.

\$95,000



2004 MOROS HS 500-TON PORTABLE SHEAR

Throat is 30 x 24. The height is 13'9" and box length is 97". Runs well.

\$295,000



2005 COLMAR 6260-800 SHEAR BALER

Very nice condition.

\$325,000



WEIGHTRONIX IMTS 7010 SCALE

Steel deck above ground scale. Rice Lake IQ plus 710 Readout, and Epson TM-295 printer. Good condition and certified

\$25,000