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## FOCUS: C&D Recycling

### Teardown and rebuilding of blighted cities



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## Sewage sludge as organic fertilizer?

by MIKE BRESLIN

mbreslin@americanrecycler.com

Is sewage sludge applied to farmland good for the health of drinking water, foods and humans or not? This is a perplexing question facing humanity. Each wastewater treatment facility serves a particular area's homes, businesses, industries and hospitals and produces a somewhat different chemical blend of sludge, depending on substances treated and method of treatment. Besides the obvious, we know that sewage treatment facilities can receive most anything including pathogens, toxic chemicals, radionuclides (or radioactive elements), poisons and drugs, just to mention a few.

Since the passage of the Clean Water Act in 1972, the U.S. has been trying to protect drinking water and the overall environment from sewage contamination by using sewage treatment plants. These plants are designed to separate water from the solids, eliminate contaminants as much as possible, and return the water fraction to a stream, river or ocean in a relatively purified form. Sewage sludge, also euphemistically called "biosolids" by its advocates, and TSS (treated sewage sludge) is the solid fraction.

According to the U.S. EPA, about 50 percent of all TSS is recycled to land as fertilizer on less than one percent of the nation's farms. There are two types of TSS: Class A, which can be in liquid form, but is typically dried and called "exceptional" quality by the sludge industry; and Class B which includes all sludge not classified as Class A and which is often volatile. The vast majority of farmland application is Class B.

For many people living in the vicinity of TSS application, the practice of land application stinks.

One of many grass roots groups addressing this problem is the Sewage Sludge Action Network based in Orange County, North Carolina.

*I think recycling human feces and urine is a good idea.*

—Steve Wing

Myra Dotson, founder and chairperson of the Network talked about TSS application in her area. Dotson holds a Master's Degree in respiratory therapy and worked in pathology and medical research for 13 years. She is a certified electron microscopist and a certified registered respiratory therapist.

Founded in 2008, the Network consists of about 200 members living in a 3 county area of central North Carolina. It has been working with other similar groups throughout the state, across the country and coordinates with groups in other countries.



Treated sewage sludge being spread in North Carolina.

PHOTO COURTESY OF STEVE WING, UNIVERSITY OF NORTH CAROLINA

Dotson told her personal story and why she is opposed to spreading TSS as fertilizer:

"I moved to this rural area in the 1980s and they started sludging nearby farms shortly after I moved there. I would have never moved there if I had known about sludging. I've seen and experienced what has happened as a result. It's like living in somebody's toilet! They just came out and dumped all this toxic waste on us. It's poisoned our wells and made us sick. We can't sell our property and it's just a wretched situation.

"So I formed the Network to educate people about what sewage sludge is and how their food and water is being affected. It's not just the people who live here, but all people and animals that eat food grown in sludge. Besides, all the water that runs off this land affects everyone and everything in the environment. My well water is poisoned with high nitrogen and high bacterial counts."

Dotson reported that her well water has been so contaminated by TSS that she had to spend \$25,000 dollars to install a home water treatment system to wash dishes and clothes. She is forced to buy and drink bottled water as are her neighbors because of poisoned wells.

Most seriously, she attributes her many ill health effects to TSS including severe MERSA infections, chronic bronchitis, COPD and multiple pneumonias.

"Odor is a definite problem, but the industry has developed odor cover-ups to mask the smell," said Dotson. "Sometimes it does not smell, but that does not reduce the damage of consuming products grown in it. Feedstocks that animals eat are grown in sludge and we eat that beef, pork, chicken, eggs, butter, milk and

yogurt. Even beer is affected because barley is grown in my area. Other grains are grown in it and we've followed the trucks and found out they go for human consumption. In Washington State they are now heavily sludging wheat fields...more food for people.

"In our area sewage is piped to wastewater treatment plants from towns and cities. These plants also accept sewage pumped out of residential and commercial septic tanks. The plant separates the water from the solids and wind up with wastewater and sewage sludge. The sludge then goes to treatment. They say it's safe because it's treated. But you have to find out what the word 'treatment' means. How is it treated? What is it treated for? Can it be treated to remove all the 80,000 potential chemical contaminants and the infinite number of derivatives? Are they testing to make sure the treatment works?

"For farmland application, most sludge is Class B, but our treatment facilities also produce Class A sludge that is supposed to kill all the pathogens. But the pathogens can reemerge when put on a farm field and there is research to support that. Prions cause Mad Cow Disease and are also tied to Alzheimer's. Some plants go an extra step and dry it to make powder and pellets. It can be sold and mixed with other things and put on golf courses, ball fields, playgrounds and public parks without telling anyone that they are being exposed to toxic sewage sludge. There's no law that says there has to be truth in labeling about bagged sewage sludge products. A landscaper can be told its organic fertilizer and he spreads it. I've had calls from people

See FERTILIZER, Page 6



# Americans concerned about nation's wasted food, but underestimate impact

According to a national survey, 70 percent of Americans surveyed say they are bothered by the amount of food wasted in the U.S. Most cite money lost as the leading cause for concern (79 percent), while nearly half of respondents also are bothered by others not having enough to eat (45 percent).

In contrast, only 15 percent made the link between food waste and adverse impacts on the environment. Yet the U.S. EPA says that wasted food is the most prevalent material in our landfills and contributes significantly to greenhouse gas emissions.

EPA also noted as major concerns are the wasted energy, water and other resources used to produce the 30 to 40 percent of food that goes uneaten in the U.S.

Conducted by TNS Global, the survey of 1,000 adults on attitudes toward food waste and packaging revealed that 76 percent of households say they throw away leftovers at least once a month, while 53 percent throw them away every week. And 51 percent say they throw away food they bought but never used. Americans overall may underestimate the value of that wasted food; survey respondents estimated wasting \$640 in household food each year – U.S. government figures are closer to \$900.

"People from all walks of life and around the globe understand that wasted food is a critical issue," said Steve Russell, vice president of plastics at the American Chemistry Council, which sponsors the Plastics Make it Possible initiative and this survey. "Improving the

way we protect and preserve foods can help consumers save money, get more food to people who need it, and significantly reduce our environmental footprint."

Fortunately, nearly all Americans surveyed (96 percent) say they take one or more steps to prevent food waste, such as eating leftovers and avoiding over-buying of perishables. Although only 46 percent of Americans said they actively use proper packaging to keep food from spoiling, plastics can play a significant role in minimizing food waste and its environmental impacts.

Plastic packaging helps prevent food waste by providing barriers to oxygen, light, temperatures, moisture, microbes and other factors that lead to spoilage.

## California proposes sales tax exemption on equipment

Exemption applicable for recycling equipment

A bipartisan majority of the California State Assembly Committee on Revenue and Taxation approved legislation sponsored by Californians Against Waste (CAW) that would create a sales tax exemption for recycling and composting equipment. Assembly Member Susan Eggman (D-Stockton) authored AB 199 to help California's recycling industry create high-paying jobs and process more of the state's recyclable materials, instead of shipping them overseas.

AB 199 would provide a sales and use tax exemption for recycling equipment or equipment that uses recycled content in the manufacturing of new products. According to CalRecycle, California exports 20 million tons of recyclables annually, worth nearly \$8 billion. Keeping more of these valuable materials here would allow Californians to share in both the environmental and economic benefits of their recycling efforts.

According to CalRecycle, for every ton of materials that gets recycled instead of being disposed, California's 5,300 recycling establishments will pay an additional \$101 in salaries, produce \$275 more in goods and services, and generate \$135 more in sales. Furthermore, CalRecycle estimates that meeting the state's recycling goals with in-state infrastructure could generate an additional 110,000 jobs, on top of the existing 125,000 people employed in recycling.

As California strives to achieve its recycling goal (AB 341, 2011) of 75 percent of the solid waste it generates by 2020, an estimated 22 million tons will have to be collected diverted from the state's waste stream.

AB 199 now goes to the Assembly Committee on Appropriations.

## New poll shows support for sorting recyclables

The Institute of Scrap Recycling Industries (ISRI) and Earth911 released the results of an online poll asking if the convenience of not separating recyclables is worth the possibility of negatively impacting the amount of recyclable materials. The results indicate that 75 percent of people would rather maintain a separate bin for recycling than negatively impact the amount of recyclable materials.

"One bin collection jeopardizes the quality of recyclables by mixing recyclables with wastes, including liquids, food, and chemicals, thereby lowering, and in many cases all together destroying the value of the recyclables," said

Robin Wiener, president of ISRI. "The results of this Earth911/ISRI opinion poll are promising in that they demonstrate that the majority of people recognize the importance of collecting recyclables separate from waste."

The poll question and results are below:

Is it worth the convenience to not separate your recyclables from your trash if when sorted after collection, it negatively impacts the amount of materials that can be recycled?

1. No, it's not that difficult to maintain a separate bin for recycling. (75 percent).
2. I'm not sure. (17 percent).

3. Yes, added convenience is worth losing some recyclables to a landfill (9 percent).

The poll further bolsters ISRI's official position opposing one bin collection. The policy, adopted in July 2015, states, "ISRI supports the collection and sortation of recyclable materials in a manner that optimizes the value and utilization of the material as specification grade commodities to be used as feedstock to manufacture new products. Since the quality of the recyclables as specification grade commodities is essential, ISRI opposes the commingling of recyclables with solid waste or mixed waste processing in one-bin system where all solid waste and recyclables are placed together with no separation prior to recycling."

*"When I was 5 years old, my mother always told me that happiness was the key to life. When I went to school, they asked me what I wanted to be when I grew up. I wrote down 'happy.' They told me I didn't understand the assignment, and I told them they didn't understand life."*

—John Lennon

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## Lowe's donates \$1 million to Keep America Beautiful

Keep America Beautiful, the nation's nonprofit that builds clean, green communities, disclosed that Lowe's has donated \$1 million to support 50 local community service projects and Keep America's Beautiful's Great American Cleanup, the nation's largest community improvement program. The 2015 projects range from restoring neighborhood parks and planting community gardens to leading disaster restoration initiatives and large scale cleanups.

The Keep America Beautiful/Lowe's grant program engages local volunteers to take action to benefit communities across the country. Over the past 4 years, Lowe's has supported Keep America Beautiful and its affiliates with more than \$4 million in contributions and the support of Lowe's Heroes employee volunteers. With the help of the 2015 grant, Lowe's and Keep America Beautiful will have mobilized more than 40,000 volunteers since the partnership began.

Following are some of the highlights of Lowe's grant initiatives that will take place in 2015:

**Keep Texas Beautiful (Austin)** – A \$20,000 grant will allow Keep Texas Beautiful to provide 12 drought affected affiliate communities with the support and materials needed to create and maintain native plant demonstration gardens with the goal of educating and engaging people to grow natives in their home gardens and at their workplaces.

**Keep Las Vegas Beautiful** – Selected Las Vegas City schools each will receive a \$4,000 grant to help bring community murals to low-income areas.

The mural program successfully brings together community advocacy groups, professional muralists and neighborhood youth to generate community involvement and neighborhood pride.

**Keep Knoxville Beautiful** – Keep Knoxville Beautiful received a \$20,000 grant to plant 6,000 bulbs along a main highway exit interchange and another 58,000 bulbs at 2 additional exits. Future plans include working with the city to add shrubs and trees to enhance these roadways.

**Keep Georgia Beautiful (Atlanta)** – With the help of Lowe's Heroes, Keep Georgia Beautiful will use a \$20,000 grant to begin outfitting all of Georgia's State Parks with Nature Explore classrooms – nature-based play and learning spaces. The initial pilot parks are among the most visited in the state.

**Keep Cincinnati Beautiful** – Lowe's Heroes will join Keep Cincinnati Beautiful and additional volunteers to repair a community playground, revitalize nearby abandoned buildings with fresh paint and clean and landscape vacant lots with the support of a \$10,000 grant.

**Keep Riverside Clean & Beautiful** – A \$5,000 Lowe's grant will help Keep Riverside Clean & Beautiful continue to clean and restore the Santa Ana River and local waterways in Riverside, California, providing a healthier habitat for natural wildlife and vegetation to thrive. It also will support the affiliate's efforts to communicate the importance of water conservation as California manages through a statewide drought.

## Pennsylvania marks 20th anniversary of signing of land recycling laws

The Pennsylvania Department of Environmental Protection (DEP) released a new video commemorating the 20th anniversary of the signing of Pennsylvania's Land Recycling laws that encourage the voluntary cleanup and reuse of contaminated commercial and industrial sites.

The video features interviews with Governor Tom Wolf and former Governor Tom Ridge who signed Acts 2, 3 and 4 into law on May 19, 1995, at the U.S. Steel Tube Works in McKeesport, Allegheny County.

"Land is a vital resource. It has both economic and environmental value," Governor Wolf said. "For every acre of brownfields we restore, we save around four acres of green space. It's really important."

"You talk about recycling plastic. You talk about recycling paper. How about recycling land?" Governor Ridge said. "We thought it was a green initiative because, for every company you support building on the old infrastructure, you're not building on green fields."

The goal of Pennsylvania's Land Recycling Program is to encourage public sector cleanup of contaminated, vacant or otherwise underutilized properties and return them to productive use. In the 20 years since the laws were enacted, more than 5,000 Pennsylvania brownfields sites have been cleaned up

and approximately 97,000 jobs have been created or retained.

Pennsylvania's Land Recycling Program is built on four cornerstones aimed at removing obstacles to redevelopment. They include:

- **Uniform cleanup standards** — enables the remediator to clearly understand the extent and cost of site cleanup. The selection of standard(s) assures that a site is protective of its present and future use. A property used for industrial development need not be as clean as a residential site.

- **Liability relief** — addresses the concerns that previously inhibited site redevelopment and sale of properties, the liability protection extends to future owners.

- **Standardized reviews and time limits** — provides date certainty. Consistent reporting requirements and standardized review procedures provide a definite time frame for report review.

- **Financial assistance** — provides grants and low-interest loans for assessment or remediation. These programs are available to people who did not cause or contribute to contamination at the site.

In 1997, Pennsylvania's Land Recycling Program was named the winner of the Ford Foundation's Innovations in American Government Award administered by Harvard University's Kennedy School of Government in partnership with the Council for Excellence in Government.

## Cox Enterprises reaches milestone

Cox Enterprises' comprehensive Atlanta headquarters recycling program has led to more than 1,000 tons of materials being reused or diverted from landfills since 2006. Additionally, the company has composted more than 20 tons of food waste and materials from a campus cafeteria since 2014 – resulting in nearly a 75 percent diversion rate.

Cox Enterprises has a goal to send zero waste to landfill by 2024. The company's approach to recycling is a holistic one that employs three strategies: waste reduction, strategic partnerships for e-waste and engagement with customers and employees.

Cox Enterprises has waste reduction programs at locations across the nation.

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# Motorists in Virginia must slow down to get around waste and recycling vehicles

Virginia Governor Terry McAuliffe took part in a ceremonial signing of House Bill 1649 that enhances safety for workers in the waste and recycling industry. The event kicked off public education efforts from the Virginia Waste Industries Association (VWIA) a chapter of the National Waste & Recycling Association (NWRA,) as they urge motorists to obey the new law that went into effect on July 1. House bill 1649, also known as "Slow Down to Get Around" requires drivers to change lanes if possible or slow down to at least 10 miles per hour below the posted speed limit and pass at least 2 feet to the left of the stationary vehicles that are in the process of collecting trash or recycling or face a penalty of up to \$250.

State Representative Ron Villanueva (R-Virginia Beach) championed this legislation and worked closely with VWIA chapter representatives to achieve this victory for the industry's workers. Virginia now joins eight other states that have enacted Slow Down to Get Around legislation, including Wisconsin, North Carolina, West Virginia, Florida, Georgia, Indiana, Michigan and Alabama.

Motorists are asked to be aware of this important change in the law and to exercise caution when they are approaching or are driving near a waste or recycling vehicle. NWRA is asking public safety agencies and community leaders to help amplify awareness of the new law.

## Steve Bennett named NRRA's recycler of the year

The Northeast Resource Recovery Association (NRRA) presents this award each year in remembrance of Sami Izzo who passed away in 2001. Izzo was a multi-talented individual who was known for her contributions in the world of waste reduction and recycling.

The award is given to an individual who best combines the qualities of commitment, leadership and enthusiasm in developing and sustaining an environmentally and financially sound solid waste management program. This year's recipient of the Sami Izzo 2015 Recycler

of the Year Award is Steve Bennett, Loudon, New Hampshire.

Bennett has been the transfer station manager in Loudon for 12 years. He has always been willing to help on the NRRA Solid Waste Advisory Team which included creating traffic flow diagrams and suggested facility layouts for fellow operators. He also embraced new ideas as in the NRRA Consolidation Program – analyzing each idea and change to make sure it was the right thing for his town.

## Covanta extends Long Beach contract

Covanta Long Beach Renewable Energy, a subsidiary of Covanta Holding Corporation, entered into an extended agreement with the City of Long Beach, California for the operations and maintenance of the Southeast Resource Recovery Facility (SERRF). The amended agreement, which was recently approved by Long Beach City Council, extends the term of the current agreement from December 8, 2018 to June 30, 2024.

Since 1988, SERRF has served the City of Long Beach and the sanitation districts of Los Angeles County with sustainable waste disposal and has been a critical component of the city's comprehensive solid waste management system. After source reduction and recycling, the residual waste that remains is processed at the energy-from-waste facility to generate clean electricity for approximately 35,000 homes. The facility also recycles 7,000 tons of metal per year.

In 27 years, the SERRF has:

- Converted approximately 12,500,000 million tons of municipal solid waste into approximately 6 million megawatt hours of clean, renewable energy – enough to power over 530,000 homes for a year

- Recovered and recycled approximately 150,000 tons of metal, the equivalent amount of steel used to build 125,000 automobiles

Recovering energy from waste after employing efforts to reduce, reuse and recycle is a critical component of managing residual waste and reducing greenhouse gases. By processing municipal solid waste at energy-from-waste facilities like Covanta Long Beach, greenhouse gas emissions are avoided by eliminating methane from landfills, offsetting greenhouse gases created from fossil fuel electrical production and recovering of metals for recycling.

**American Recycler**  
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## Events Calendar

### August 17th-19th

**Waste Conversion Tech Conference & Tradeshow.** Hyatt Regency Mission Bay Spa & Marina, San Diego, California. 800-441-7949 • [www.wasteconversionconference.com](http://www.wasteconversionconference.com)

### August 19th-20th

**Agricultural Plastics Recycling Conference & Trade Show.** Hyatt Regency Mission Bay Spa & Marina, San Diego, California. 800-441-7949 • [www.agplasticconference.com](http://www.agplasticconference.com)

### August 24th-27th

**SWANA's WASTECON.** The Gaylord Palms, Orlando, Florida. 800-467-9262 • [www.swana.org](http://www.swana.org)

### September 14th-16th

**Missouri Recycling Association Conference.** Adams Pointe Conference Center, Blue Springs, Missouri. 573-491-4255 • [www.moraconference.org](http://www.moraconference.org)

### September 30th-October 2nd

**25th Annual Arkansas Recycling Coalition Conference & Trade Show.** Marriott Hotel and Statehouse Convention Center, Little Rock, Arkansas. 866-290-1429 • [www.recycleark.org](http://www.recycleark.org)



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# Fertilizer

■Continued from Page 1

whose pets have died from being exposed to sewage sludge.

"They claim it's free to farmers, but we have evidence from farmers who have told us that they have gotten financial benefit under-the-table to allow spreading on their farms. They will often be paid a 'gate-fee' or compensated in other ways. There's no way to prove it, but we know it to be true. Sewage sludge is a conspiracy...a secret that's been kept from the public for 30 to 40 years. That's the basis of my group... to uncover this dirty little secret of the sludge industry. We can't put a moratorium on it, but have to find a better way." Dotson firmly believes.

For a scientific opinion on spreading TSS on farmlands, American Recycler contacted Steve Wing, Ph.D. and associate professor of epidemiology at the University of North Carolina at Chapel Hill. Epidemiology is the branch of medicine that deals with the incidence, distribution and possible control of diseases and other factors relating to health. Wing has participated in several studies on land application of sewer sludge and is considered one of the leading authorities on this subject.

"I think recycling human feces and urine is a good idea. In order to do it safely and to protect health it has to be done so as not to threaten water and air quality. Recycling is the right thing to do, however the primary reason we have a problem now is that we mix feces and urine with an uncountable number of contaminants. And, we apply sewage sludge material in very large

quantities near where people live and near sensitive water resources. That's where our problems come from...the contamination of our waste stream and the scale of the activities that threaten people's lives.

"I think the goal should not be to develop more expensive treatment processes, but to remove the toxins from the waste stream. Over time, it would be helpful to reduce our use of toxic components in the production system we have and eliminate them to the extent possible. And toxins should not mix with human feces and urine. We should treat them as a separate waste stream. Then we could potentially recycle them in commercial applications. But right now they are mixed with human feces and urine and treated as agricultural fertilizer. That's where I think we have our problems.

"I think the problem of sewage sludge should not be isolated as a separate topic, but needs to be considered along with other points where systems for sustaining life are under pressure. Furthermore, most of the big problems are not coming from consumers; they are coming from industries and manufacturers that use toxic chemicals in their processes. Many treatment plants are receiving industrial waste, hospital waste and other toxic materials.

"Over time the solution is to regulate our waste stream at the source. And, when we look to the next century, given what's expected in terms of climate-change as well as human population size, we should expect there to be huge pressures on potable water resources. In the future we'll have less and less potable water to waste on feces and urine.

Steve Wing believes that municipal wastewater treatment facilities are not responsible for the problem and feels strongly they cannot be blamed. "Most are doing the best job they can receiving chemicals which they are not prepared to treat and should not have to treat," he said "If they were not receiving the toxins we would all be much better off."

*Sewage sludge is a conspiracy...a secret that's been kept from the public for 30 to 40 years.*

American Recycler News also contacted the North Carolina Department of Environment and Natural Resources (NCDENR) and spoke with Jon Risgaard, waste water branch chief about spreading TSS:

"In North Carolina our permitted wastewater treatment plants, including municipal and single-family systems number in the thousands," said Risgaard. "Municipalities or permit holders provide biosolids free to landowners provided that they meet administrative code, statutes and permit conditions for land appliance. It's up to them whether or not they want to charge for it or not. But almost nobody charges. There are a few treatment facilities that make Class A sludge, or exceptional quality residuals, that they bag and sell as fertilizer in the competitive market.

"North Carolina regulations match or exceed the federal requirements for testing treated sludge. Metals are tested on a regular basis. We also do annual

soil sampling for nutrients and micronutrients and a handful of metals as well. The federal rules for biosolids are contained in 40-CFR-503 and North Carolina rules meets those requirements, except some discrepancies in set-backs for land application where state rules are more stringent than the federal rules.

"We don't get a lot of feedback from the general public on the spreading of sludge in our central office. If complaints come in it's usually about odors and they call one of our regional offices. They'll go and check it out to make sure the applicator is properly permitted and meets permit requirements. We get occasional questions about what's going on with the program, but generally we don't get a lot of feedback from the public.

Asked is there are any threat to public health or safety from TSS, Risgaard replied: "We have administrative codes and statutory requirements that are intended to make the material safe to use. The regulations are intended to be protective of drinking water supplies. There have been a few cases where we have had issues with drinking water supplies that were a result of over application of the residuals, or a permittee not meeting other permit requirements. When that happens there are corrective action requirements to address the impact to groundwater including any public water supply sources.

"It is obvious that wastewater treatment is a practical and necessary process for modern life, but apparently we have a long way to go to find better ways of preventing the contamination of liquids and solids going into sewer systems. At the same time, technologists are seeking cost-effective methods to treat sewage water and sludge and make it safer."

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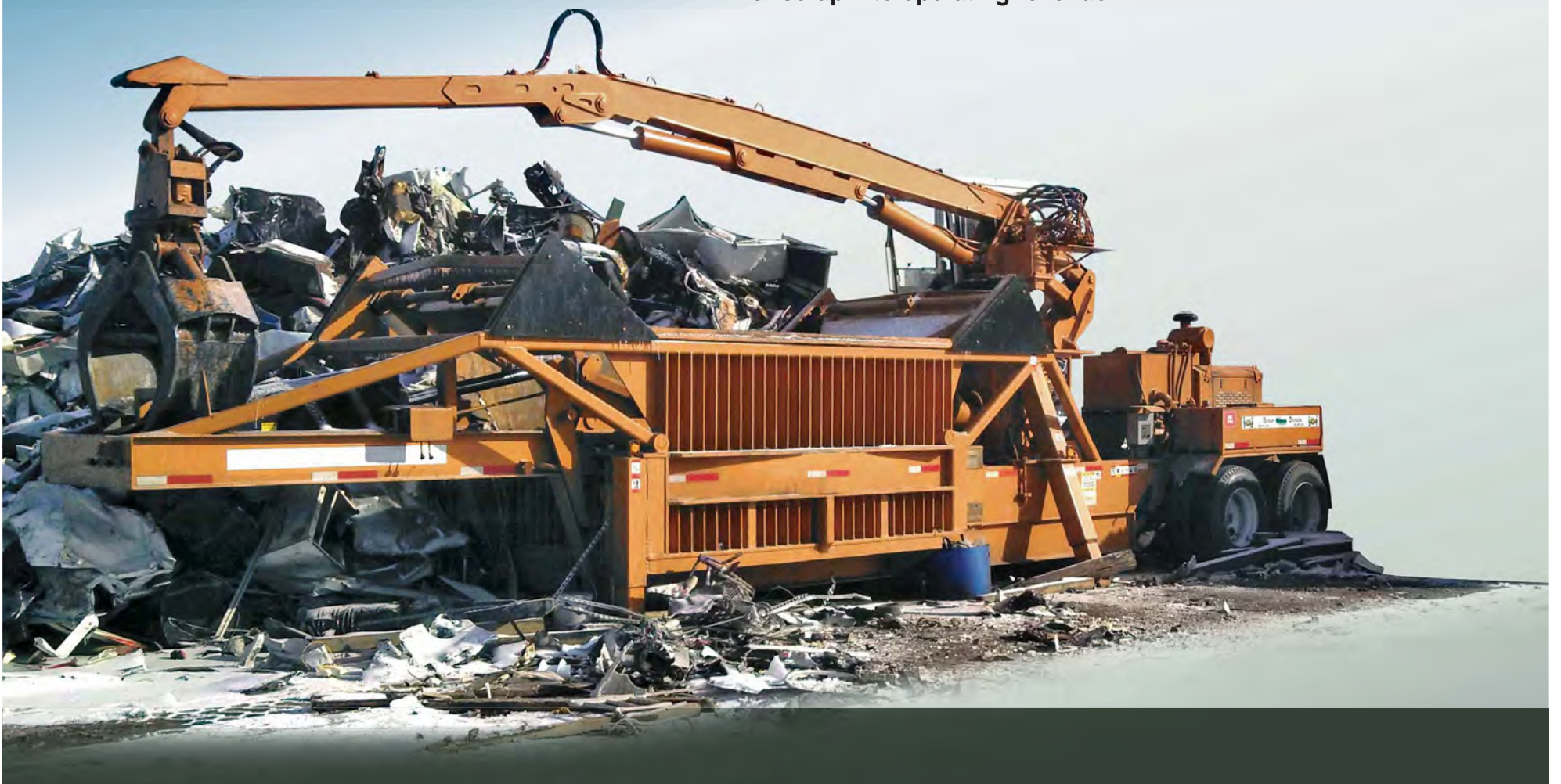
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## PAPER

### AF&PA releases paper reports

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

#### Containerboard

Containerboard production was less than 1 percent higher compared to May of last year. The month-over-month average daily production compared to April 2015 was 2 percent lower. The containerboard operating rate for May decreased to 97.2 percent from April's 98.6 percent.

#### Kraft Paper

Total Kraft paper shipments were 140.7 thousand short tons, less than 1 percent lower compared to May 2014. Bleached Kraft paper shipments decreased from 10.3 thousand tons in April 2015 to 8.4, while unbleached Kraft paper shipments remained essentially flat at 132.3 thousand short tons. Overall, shipments for the first five months of 2015 were 1.4 percent lower than the same period in 2014. Total month end inventories increased to 81.5 thousand tons.

#### Printing-Writing Paper Report

According to the report, total printing-writing paper shipments decreased 9 percent in May compared to May 2014, with inventory levels increasing 8 percent from April.

•Uncoated free sheet (UFS) paper shipments in May decreased 5 percent compared to May 2014. Imports of UFS

decreased 12 percent year-over-year in April.

•May coated free sheet (CFS) paper shipments decreased 10 percent compared to May 2014. Imports of CFS papers increased 28 percent in April, the eleventh year-over-year increase in the last 12 months.

•Uncoated mechanical (UM) paper shipments decreased 19 percent when compared with May 2014. Imports of UM papers were down 25 percent in April, the tenth consecutive monthly decline.

•Coated mechanical (CM) shipments in May decreased 14 percent relative to May 2014. Imports of CM increased in April, up 17 percent compared to April 2014, while exports of CM were up 16 percent.

#### Paperboard Report

Total boxboard production decreased 0.9 percent when compared to May 2014, but increased 4.7 percent from last month. Unbleached Kraft Boxboard production increased over the same month last year and increased compared to April.

Total Solid Bleached Boxboard & Liner production decreased when compared to May 2014, but increased compared to last month. The production of Recycled Boxboard decreased compared to May 2014, but increased when compared to April.

*A farmer in the field with his cows counted 196 of them, but when he rounded them up he had 200.*

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## WASTE

### Top professionals receive honors and scholarships from NWRA

The National Waste & Recycling Association (NWRA) honored 23 of its industry's finest professionals at its annual awards ceremony at WasteExpo.

The awards included Drivers of the Year, Members of the Year, Chapter Leadership Awards and Distinguished Service Awards.

The winners were announced at Waste Expo and included four industry executives who were named to the NWRA Hall of Fame.

For a complete list of honored professionals in each category, view this article on [www.AmericanRecycler.com](http://www.AmericanRecycler.com).

## U.S. Supreme Court denies challenge to Alameda County drug disposal ordinance

California local governments have received the news they have been waiting for since 2012 – that an industry legal challenge against Alameda County to make producers share in responsibility for safe medicine disposal will not be taken up by the Supreme Court, allowing Alameda, San Francisco, and San Mateo Counties to implement their ordinances and other counties to proceed in adopting similar ordinances.

"The High Court did the right thing – there was no legal reason for this case to be heard by the Supreme Court," said Robert Kennedy Jr. "Manufacturers should share in the responsibility to manage and pay for their products' disposal and recycling. This decision upholds a local government's right to ensure that happens if the state and federal government fail to act."

Alameda County was the first in the country to adopt an Extended Producer

Responsibility (EPR) ordinance and then defend it in court. EPR is a policy approach that shifts the responsibility for waste management costs from solely being the burden of government to include manufacturers as well as the users of these products – the consumer. It is a fair share of responsibility and countries including Mexico, provinces of Canada, and much of Europe use it to sustainably fund and operate medication collections.

"It is not fair to have 100 percent of the costs of disposal externalized on to government without any sharing of responsibility by the producers," stated Heidi Sanborn, executive director for the California Product Stewardship Council.

San Francisco adopted an ordinance in March and San Mateo County adopted the third ordinance in April.

Santa Clara County voted to adopt another ordinance in May with the final

adoption hearing scheduled in June, and Santa Barbara is considering a similar move. More counties are likely to follow.

Background: The U.S. 9th Circuit Federal Court of Appeals upheld an Alameda County ordinance passed in July 2012 requiring drug producers who sell, offer to sell or distribute prescription drugs in Alameda County to collect and safely dispose of the county's unwanted prescription medications. The lawsuit, filed by trade associations representing the manufacturers and distributors of pharmaceutical products, argued that the ordinance violated the dormant Commerce Clause of the US Constitution as it interfered with interstate commerce. In a 3-0 ruling the Court of Appeals denied the appeal saying that the Alameda Ordinance "neither discriminates against nor directly regulates interstate commerce."

## Employee pleads guilty to accepting bribes from haulers

Tamara Oliver Washington, a former Baltimore City Department of Public Works (DPW) employee, plead guilty to conspiracy and to solicitation of bribes in connection with a 14 year scheme in which DPW employees accepted cash payments from commercial haulers in return for allowing the commercial haulers to dump trash at the Quarantine Road Landfill without paying the disposal fees.

The plea agreement was disclosed by U.S. Attorney for the District of Maryland Rod J. Rosenstein; special agent in charge Stephen E. Vogt of the FBI; Robert H. Pearre, Jr., inspector general, City of Baltimore Office of Inspector General; special agent in charge Thomas Jankowski of the IRS – criminal investigation; and Colonel William M. Pallozzi, superintendent of the Maryland State Police.

Commercial haulers of trash that meet certain vehicle weight limitations

must, in addition to purchasing a landfill permit, pay a waste disposal fee of \$67.50 per ton of trash deposited at the landfill.

According to Washington's plea agreement, Washington was a DPW employee assigned to the scale house at the landfill. DPW employees assigned as scale house operators weigh each truck as it enters, which is recorded on a computerized point-of-sale system. To activate the system and record a particular transaction, DPW employees must enter the tag number of the truck and a corresponding billing code. The scale house operators reweigh each truck as it leaves the landfill. The net weight of the deposited trash and the required disposal fee is then calculated and printed on a receipt that is handed to the driver.

Beginning in 2001, Washington started accepting bribe payments from small haulers in lieu of charging the full

disposal fee. Beginning in 2002, Washington started accepting bribe payments from large haulers of trash in lieu of charging them the full disposal fee. Washington and other scale house employees accepted \$100 bribe payments from some haulers for each truckload of trash dumped at the landfill. Washington participated in the bribery scheme for more than 14 years, until her arrest in May 2015.

Washington and others concealed the bribery scheme by not entering a truck's registration number into the computerized scale system, which meant the transaction was not recorded. Consequently, the transaction would not appear on the scale house's daily logs and the commercial hauler would not be billed for using the landfill on that particular occasion. To maintain the pretense that the trucks had been weighed and the disposal fee paid, Washington and others would hand the

truck drivers fake or blank receipts when they crossed the outbound scale. In return, the commercial haulers either paid the \$100 bribe in cash through the outbound window at the scale house or met with the defendant or another scale house operator at an off-site location to pay a week's worth of bribes or more.

By paying the \$100 bribes in lieu of the disposal fees, these haulers saved their businesses thousands of dollars each month, which, in turn, cost Baltimore more than \$6 million in revenue. From July 1, 2014 through May 1, 2015 alone, Washington accepted on her own behalf, and on behalf of other DPW employees, more than \$40,000 in bribe payments in return for not charging the required waste disposal fees, which totaled approximately \$120,000 during that period of time.

Washington has agreed to pay restitution of \$6 million.

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## INDUSTRY PROFILE

## A Closer Look

by Donna Currie

## Aaron Metals

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Aaron Forkash, part of the third generation of the family to work at Aaron Metals, said that his business card says simply that he's a "Scrap Metal Recycler" with no other title – and he's quite pleased with that title.

The business was founded in 1976 by Aaron's father, Paul, and grandfather Jack, which begs the question of where the company name came from. Aaron said that the company was named after him, but his grandfather also pointed out that when people looked in the phone book to find a scrap recycler, a company with a name that started with "Aa" would be at the top of the list.

Prior to starting the scrap business, Jack Forkash was in a different sort of recycling business, buying and selling used furniture. Paul Forkash spent some time working for relatives who owned a scrap company, and he became excited about the scrap business, and decided he wanted his own company. Together with his Jack, he founded Aaron Metals.

The younger generation is now very involved in the business, with Aaron and his two sisters, Jesykah and Molly, all working for the family company.

From the beginning, the company has focused almost entirely on nonferrous metals. Aaron said that it was a conscious decision, based on the fact that there were already a number of large steel recycling companies in the area. They knew they couldn't compete on steel prices, but felt confident they could buy and sell nonferrous.

Aaron Metals does accept some steel, if a customer brings it in along with nonferrous, but Aaron said they're very upfront about telling customers that they would get more money for the steel from other scrap companies.

The purchasing process at Aaron Metals is designed to make things easy for the customer, and particularly comfortable for the small customers. "We have families who come here," Aaron said, "who bring their little kids."

The company buys from a wide range of customers, from individuals who are cleaning out their basements, to peddlers, to large industrial customers where Aaron Metals picks up the scrap.

When people bring in their scrap, parking attendants show them where to park and employees unload, sort and weigh the materials while the customers keep their hands clean. Cars and small trucks are unloaded at a loading dock, while larger trucks are unloaded in the yard.

The company has four scales and three buying stations for most of the material, with a separate area with two scales for aluminum cans, which are handled differently because of the deposits people pay. When they bring their cans to Aaron Metals to recycle, they receive the deposit back, plus the value of the aluminum.

Aaron said that he's "not an equipment guy" and enjoys the buying process and talking to customers. "You can meet so many people, the types of industries that they're in and the projects that they're working on."

In the 18 years he's been with the company, a lot has changed, including some revitalization in the area near their original facility in Oakland, California, where Aaron works. He said that there are some new businesses moving in and some of those have become customers of Aaron Metals.

The Oakland facility is just under three acres in size, and Aaron said that it is operating at over what should be its maximum capacity for handling scrap. A newer yard in nearby Hayward, where Aaron's sister Jesykah is the owner-operator, is 6.7 acres and has potential for accommodating more material. He estimated that it could handle twice as much capacity in the future.

The majority of the materials purchased from both yards – up to 70 percent – is shipped overseas. Aaron's sister, Molly, is the traffic manager for those outbound shipments as well as the domestic shipments.

But that's not the end of the family involvement. Although Aaron's mother doesn't spend as much time at the business as she used to, she can still sign checks and sometimes helps with administrative tasks.

While Aaron emphasized customer service, cleanliness of the facility, and the safety of both employees and customers, and when asked about the one thing he was most proud of regarding the company, he didn't hesitate with his answer: "The dedication my father has," he said. "He'll be 70 years old in December and he works full time."



## INTERNATIONAL

## Canada Fibers bolsters solid waste recycling initiatives

Canada Fibers Ltd. has taken steps towards the creation of superior value from municipal and commercial solid waste. Canada Fibers has created an affiliate named Urban Resource Group Inc., which will focus on production of high quality sustainable products from solid waste. Canada Fibers' solid waste recovery operations include four state-of-the-art municipal recovery facilities in the Province of Ontario, as well as two large-scale commercial recovery facilities.

Canada Fibers formed Urban Polymers, which is engaged in production of pure, homogeneous plastic raw materials for plastic processors from both post-consumer and post-industrial plastic waste. During its first phase of evolution, Urban Polymers will focus on the creation of pure Polyethylene Terephthalate (PET) flake from post-consumer beverage bottles, as well as highly formulated polyethylene and polypropylene compounds in pellet form from both post-consumer and post-industrial waste. Urban Polymers has created over 20 jobs since its inception this spring.

Urban Resource Group has entered into agreements to acquire three companies, which will expand the portfolio of products and services available to Canada Fibers' growing customer base. Urban Resource Group recently entered into agreements to purchase the shares

of Ecowood Ltd. and the shares of All Waste Removal Inc. Both of these acquisitions were expected to close soon. The third acquisition involves the assets of a manufacturer of wooden fuel pellets, which was completed earlier this year.

Ecowood is engaged in the production and sale of architectural garden mulch products from post-industrial wood. Sold through home improvement retail chains as well as garden centers, Ecwood's products are well known across Canada for enhancing the beauty of landscape projects. Over time, Ecwood will be rebranded Urban Garden Products.

The wooden fuel pellet operation is engaged in the production of wooden fuel pellets from post-industrial wood materials. This product line will be sold through home improvement chain stores in Canada as well as through distributors in the U.S. Over time, these products will be branded Urban Biofuels.

Finally, All Waste is engaged in providing waste management services to industrial commercial and institutional organizations. All Waste will play an important role for Canada Fibers in obtaining materials for recovery and recycling business units. All Waste has begun the process of rebranding its activities as Urban Waste Recycling.

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## METALS

# Two facilities recognized for safety

The Monroe and Whiteville locations of Metal Recycling Services (MRS) won the prestigious North Carolina Department of Labor (NCDOL)'s Gold level "Certificate of Safety Achievement" for 2014. The award recognizes each location's outstanding safety and health efforts and the promotion of safe working conditions. This places MRS in a select group of businesses and public agencies in North Carolina and represents the third consecutive year in which these two locations were recognized for their safety record.

The annual awards program, run by the NCDOL, recognizes companies that strive to excel in safety. In order to qualify for the Gold award, each company must have ten or more full time employees, must have had zero lost time accidents, and also must have achieved incident rates 50 percent below their NAICS code.

"We are honored to receive these awards from the North Carolina Department of Labor in recognition of our commitment to safety," said Bob Evison, president of Metal Recycling Services. "Safety is our number one core value at MRS. Providing a safe environment for our employees and our customers is paramount to our success."

Metal Recycling Services operates three scrap recycling facilities in North Carolina: Gastonia, Monroe and Whiteville. MRS recycling facilities include two automobile shredders, balers, shears, mobile shearing, torch processing, auto crushers, and an extensive truck and railcar fleet. MRS has over 100 employees. The MRS recycling centers buy ferrous scrap and automobiles as well as common household non-ferrous scrap metal items like aluminum cans and other aluminum, stainless steel, copper and brass products. MRS is wholly owned by The David J. Joseph Company.

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—Les Brown

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# Steel imports decrease by 4 percent in May

In May, the largest volumes of finished steel imports from offshore were all from Asia and Europe. They were from South Korea (355,000 NT, down 30 percent vs. April final), China (302,000 NT, up 3 percent), Turkey (222,000 NT, down 3 percent), Japan (184,000 NT, down 19 percent) and Germany (131,000 NT, up 8 percent). For five months of 2015, the largest offshore suppliers were South Korea (2,745,000 NT, up 28 percent), Turkey (1,446,000 NT, up 90 percent), China (1,330,000 NT, up 3 percent), Japan (1,047,000 NT, up 23 percent) and Germany (675,000 NT, up 40 percent).

As a result of the closure, Alcoa expects to record restructuring-related charges in second quarter 2015 between \$100 million and \$110 million after-tax, or \$.08 to \$.09 per share, of which approximately 60 percent is noncash.



METALS

ISRI releases updates to the Scrap Specifications Circular

The Institute of Scrap Recycling Industries (ISRI) recently disclosed that new specifications have been published in the Scrap Specifications Circular 2015. There are three amendments, as well as two additions and one deleted specification that have been approved by the ISRI board of directors.

“Our specifications serve both as broad guidelines and as a starting point in discussions between scrap buyers and sellers in the U.S. and around the world,” according to ISRI chief economist and director of commodities Joe Pickard. “The new and amended specifications were made to more accurately reflect what is being traded in the scrap marketplace and to facilitate trade.”

The first amendment is categorized under ferrous specifications:

- 207 / No. 1 Busheling is clean steel scrap, maximum size 2 feet by 5 feet, including new factory busheling, (for

example, sheet clippings, stampings, etc.); may not include, old auto body and fender stock; free of metal coated, limed, vitreous enameled, and electrical sheet containing over 0.5 percent silicon.

The following two amendments can be found under nonferrous specifications:

- Radio – mixed hard/soft scrap lead shall consist of clean lead solids and lead shots free of other materials, such as Drosses, battery plates, lead covered cable, collapsible tubes, type metals, aluminum, zinc, iron and brass fittings, dirty chemical lead and radioactive materials. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.

- Relay – lead covered copper cable is free of armored covered cable, and foreign material subject to negotiation between buyer and seller.

The following additions are both categorized under nonferrous specifications:

- Vader – sealed units shall consist of whole steel cased compressors originating from condensers from air conditioner units, freezers, refrigerators or the like, containing a motor inside; free of hazardous materials, including chlorofluorocarbons (CFCs) or other refrigerants and polychlorinated biphenyls (PCBs); no loose iron or extra iron attachments such as framework permitted.

- Darth – ballasts (fluorescent) shall consist of whole and complete fluorescent light ballasts containing copper inside; must not contain polychlorinated Biphenyls (PCBs); electronic ballasts subject to agreement between buyer and seller.

The deleted specification pertains to a nonferrous material:

- Rails [should] specify whether automotive, industrial or mixed. Also whether they are groups or loose. The only other metallic that might be included could be lead connectors and to be free of non-metallics, i.e., plastic or rubber, with the exception that separators may be included. Material should be dry; may be bought on an assay basis or a flat price; submarine plates subject to negotiation. Review packaging specifications and regulatory status pertaining to shipping with buyer prior to sale.

ISRI’s scrap specifications are internationally recognized guidelines used by buyers and sellers of recycled materials and products including nonferrous and ferrous scrap, glass cullet, paper stock, plastic, electronics and tire scrap. The specifications are intended to assist the trading of scrap commodities and are regularly reviewed and updated.

Wyoming school claims first place in contest

Cody, Wyoming’s Valley Elementary School has reclaimed first place in the fifth annual Great American Can Roundup (GACR) School Challenge. This one room school, comprised of five students, collected and recycled nearly 11,035 pounds of aluminum beverage cans. This equates to more than 2,200 pounds recycled per student to gain top honors in this year’s challenge. Overall, schools from 36 states recycled nearly 142,000 pounds of aluminum cans.

Sponsored by the Can Manufacturers Institute (CMI), this year’s GACR School Challenge had 38,000 plus students participate in the 2014-2015 challenge. Over 35 of the competing schools collected 1,000 pounds or more beverage cans.

As the front runner of this year’s challenge, Valley Elementary School will receive \$5,000, along with an additional \$1,000 prize for coming in first place within their state. The school in each state with the most pounds of aluminum recycled per student will also receive a \$1,000 prize for their achievements in recycling.

Last year’s GACR School challenge winner, Riverton High School Alternative Program in Riverton, Wyoming, came in second place for this year’s challenge. Riverton High School Alternative Program had 22 students work together to recycle more than 16,600 pounds of aluminum beverage cans.

AISI releases 2014 stats report

The American Iron and Steel Institute (AISI) released its 2014 Annual Statistical Report (ASR). The 2014 ASR shows that U.S. steel production, shipments and imports all increased in 2014 over 2013. Both total and finished steel imports increased to near record levels as imports garnered a record 28 percent share of apparent steel supply.

U.S. steel shipments were at 98 million net tons, a 3 percent increase.



| Commodity               |               | Zone 1   | Zone 2   | Zone 3   | Zone 4   | Zone 5   |
|-------------------------|---------------|----------|----------|----------|----------|----------|
| #1 Bushelings           | per gross ton | \$180.00 | \$185.00 | \$150.00 | \$245.00 | \$265.00 |
| #1 Bundles              | per gross ton | 169.00   | 170.00   | 145.00   | 245.00   | 262.00   |
| Plate and Structural    | per gross ton | 175.00   | 175.00   | 172.00   | 220.00   | 270.00   |
| #1 & 2 Mixed Steel      | per gross ton | 175.00   | 175.00   | 170.00   | 220.00   | 250.00   |
| Shredder Bundles (tin)  | per gross ton | 108.00   | 105.00   | 134.00   | 158.00   | 175.00   |
| Crushed Auto Bodies     | per gross ton | 108.00   | 105.00   | 134.00   | 158.00   | 175.00   |
| Steel Turnings          | per gross ton | 90.00    | 91.00    | 90.00    | 100.00   | 151.00   |
| #1 Copper               | per pound     | 2.30     | 2.05     | 2.20     | 2.35     | 2.40     |
| #2 Copper               | per pound     | 2.18     | 1.95     | 2.08     | 2.17     | 2.21     |
| Aluminum Cans           | per pound     | .41      | .45      | .53      | .57      | .50      |
| Auto Radiators          | per pound     | 1.39     | 1.35     | 1.65     | 1.59     | 1.62     |
| Aluminum Core Radiators | per pound     | .47      | .47      | .55      | .54      | .53      |
| Heater Cores            | per pound     | 1.20     | 1.00     | 1.09     | 1.08     | 1.31     |
| Stainless Steel         | per pound     | .40      | .40      | .50      | .55      | .52      |

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

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- Large hearth opening for automotive scrap.
- New technology burner and control systems.



## AUTOMOTIVE

### KAR Auction Services expands into United Kingdom

KAR Auction Services, a provider of end-to-end vehicle remarketing services, disclosed that its subsidiary ADESA (UK) Limited has acquired HBC Vehicle Services. Headquartered in Canvey Island, England, HBC specializes in salvage vehicle auctions and related services.

HBC Vehicle Services provides salvage collection and disposal services for the UK's top insurance, fleet and accident management companies. A leader in salvage auction technology, the company conducts business using a multitude of

sales channels, including online auctions, and operates from 10 UK locations. With more than 50 years of experience, HBC Vehicle Services has a significant buying audience throughout Europe.

ADESA (UK) Limited is a wholly owned subsidiary of KAR Auction Services and is focused on bringing products and services to the UK automotive marketplace with special emphasis on upstream remarketing services that emphasize efficiency and technology to support franchise and independent retailers.

## Salvaging Millions

by Ron Sturgeon  
Autosalvageconsultant.com

### Tools for success – an ongoing series

#### Operating metrics

The first article in this series listed several tactics to increase your business success. Each of the successive articles takes a closer look at one of those tactics. Last month, we talked about financial statements. This month we're covering a subject vital to your success – operating metrics.

Much of my success in every business I have been involved in comes from being good at tracking financial and operating metrics. Put simply, operating metrics are the measure of how well a business is doing.

You should not be gathering the data to do a monthly report on your operating metrics. However, you must understand the operating metrics because you are ultimately responsible for every aspect of your business.

Please don't gather the data and record your own operating metrics. It's dull, so dull that if you do it yourself, you probably won't keep up with it and will lose the benefit of having timely information about how your business is performing.

Delegate gathering the data and preparing the report to someone else in administration or accounting. Make sure that they have the data tabulated and a report on your desk by the 5th of the month. If you don't know why you need it at the start of the month, review last month's article about financials.

You will have operations data on the 5th, a few days before you get financials data for the previous month on the 10th. Don't worry about not having the financials. Focus on the operational metrics. Your report should include key operational metrics such as total sales, sales per employee, sales per salesperson, total number of deliveries, average dollar of each invoice,

amount of credits in dollars and as a percentage of the total sales.

Again, have someone else in your company gather your metrics and lay them on your desk. Then get your flashlight. Remember, wherever you shine it gets the attention. If you are not sure which metrics you need to be looking at, email me and I will send you a template with all the crucial ones.

The template will show the prior months' operating metrics as well, so study the past data to see what has changed. I promise your study will reward you with new insights. Then fly up out of your chair and go figure out why a key operational metric is better or worse than it should be.

Repeat this process every month without fail. Your time studying, analyzing, and acting on the insights will be the highest paid work you do because it will make the biggest difference on your bottom line per hour you devote to it.

Later in the month, on the 10th, you will get the financial results that score your performance on key financial measures. Again, get your flashlight out. Get ready to fly out of your chair! I used to eagerly anticipate getting my reports each month because I wanted to know where we were excelling and where we were not. I could not wait to start solving issues and improving operations.

It is much more fun to be solving issues and getting results than to be gathering data and filling out a metrics chart. However, you cannot get to the fun part unless you have someone getting reporting on the key operational metrics. If you have not been looking at the metrics, commit to doing it. Start now.

**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.*

## ALTERNATIVE ENERGY

### Blue Sphere breaks ground on waste-to-energy project

Blue Sphere Corp., a clean energy company that develops, manages and owns waste-to-energy projects, broke ground on their newest waste to energy project in Johnston, Rhode Island.

The Blue Sphere facility will produce 3.2 megawatts of clean energy from uneaten food that would normally end up in local landfills. That electricity will then be sold to NG to provide power to local homes and businesses.

This project is a joint venture with an affiliate of York Capital Management to develop, construct and operate a 3.2 MW biogas generation facility in Johnston, Rhode Island under the management of Entropy Investment Management. The National Resource Defense Council estimates roughly 40 percent of food is wasted in the U.S. every year, amounting to a \$165-billion loss. Blue sphere said their solution is a win-win for all involved.

"This facility is the ultimate landfill because we take waste in the front end

with nothing coming out. There's no smell just electricity and compost," said chief executive officer Shlomi Palas.

Blue Sphere plans to be operational by the end of the Q4 2015.

Blue Sphere generates electricity from biogas derived from organic waste, which is mostly food waste, and sells this electricity to leading electric companies through long-term power purchase agreements. Waste-to-energy is one of the fastest growing segments in the renewable energy markets. According to SBI Energy, the thermal and biological segments reached \$6 billion in 2012 and will reach \$29 billion by 2022.

Orbit Energy, Inc., based in Raleigh, North Carolina, co-developed the project. Blue Sphere has made arrangements for the inclusion of two of Orbit's high solid anaerobic digester units to work in parallel with the digesters of Austep S.p.A., the project's EPC contractor, subject to the fulfillment of certain conditions.

### DTE Energy installs Detroit's first solar energy trash compactors

DTE Energy will install smart, solar powered trash compactors and recycling units in its downtown Detroit, Michigan neighborhood.

The Bigbelly units, the first solar-generated compactors in the city of Detroit, are expected to arrive this summer.

DTE will install seven of the units which collect and compact trash on site and also gather aluminum and plastic containers for recycling. The pilot program supports the company's Energize Detroit neighborhood revitalization initiative while helping to protect the environment. Waste Management of Michigan Inc. will install and maintain the units.

The compactors eliminate trash overflow which helps beautify the neighborhood and keeps pests away. The solar

panel on the unit extracts energy from the sun to continuously charge the battery powering the system. When the unit needs to be emptied the smart system sends a signal via its Clean management software to Waste Management of Michigan. The system dramatically reduces trash collections and vehicle carbon emissions.

DTE Energy will set up the units at the Third Street bus stop area across from the MGM Grand Detroit, the Navitas House office building at Bagley Avenue and Third Street and in the company's food truck area near its entrance. The company also will install four units inside its headquarters complex. These systems will use electricity as the backup to solar energy.

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## ALTERNATIVE ENERGY

# New solar power plant being constructed in Japan

Kyocera Corporation, Gaia Power, Kyudenko Corporation, and Century Tokyo Leasing Corporation disclosed that the companies have made a joint investment in Kanoya Osaki Solar Hills LLC, a solar power operating company, to construct and operate a 92 megawatt (MW) solar power plant. Planned for construction on a site stretching across Kanoya City and Osaki Town in Kagoshima Prefecture, the project will become one of the largest solar installations in Japan.

Project planning began in January 2014, as the local community expressed interest in effectively using the project site, which had been designated for a golf course more than 30 years ago but subsequently abandoned. Covering a total of approximately 494 acres, the site will accommodate 340,740 Kyocera solar modules, and is expected to generate roughly 99,230 MWh annually — enough electricity to power approxi-

mately 30,500 typical households, offsetting roughly 35,730 tons of CO<sub>2</sub> emissions per year.

Under the agreement, Kanoya Osaki Solar Hills LLC will operate the site, and a joint venture established by Kyudenko and Gaia Power will undertake the design, construction and maintenance of the solar installation. Kyocera will supply its solar modules, and Century Tokyo Leasing will arrange financing.

The land development application for the project was submitted in April 2015, along with a year-long environmental impact assessment which has been completed. The massive installation will contribute to the local community through job creation and increase of tax revenues in Kanoya City and Osaki Town. The companies are cooperating with Kagoshima Prefecture, Kanoya City and Osaki Town to ensure environmentally friendly construction methods,



Rendering of the Kanoya Osaki Solar Hills Solar Power Plant in Japan.

and remain committed to promoting to environmental protection and the renewable energy as well as contributing creation of a sustainable society.

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messe frankfurt



BUSINESS BRIEFS

Atlas Copco names new VP of sales for rentals

■ Atlas Copco appointed Matt Cadnum as vice president of sales for its rental channel where he will grow its breadth of products and services for rental centers across the U.S. Cadnum, formerly Atlas Copco Construction Equipment's after-market vice president, is also responsible for leading the current rental service team and ensuring that the team provides quality support for rental centers.

Cadnum, from Cleveland, Ohio, brings more than 20 years of experience in the construction equipment industry. This experience gives him insight on finding innovative equipment and service-based solutions, as well as focusing on key issues within the rental industry, such as cost of ownership and fleet utilization.

Prior to the new appointment, Cadnum was Atlas Copco vice president, aftermarket for more than six years. He contributed to building a strong service network with seven service centers across the U.S. and developed a robust logistics system to ensure spare parts and consumables were readily available for customers.

Advanced Disposal names Stoeckigt as manager

■ Advanced Disposal has promoted Mike Stoeckigt to district manager over the company's north central Wisconsin and Missouri districts. In his new role, he will oversee 28 hauling, landfill, transfer stations and recycling facilities.

Stoeckigt has been with the company for seven years.

Vortex partners with Tetronics International

■ Vortex De-Pollution and Recycling Equipment are to represent Tetronics International, a leader in environmentally friendly resource recovery solutions, in North America. Tetronics has five decades of experience in developing plasma arc systems for a number of applications, with 109 patents granted or pending.

Vortex will be focusing on the automotive catalytic converter recovery market, where Tetronics' technology has been used for decades to recover platinum, palladium and rhodium from precious metal bearing waste materials with class leading recovery rates, along with the lowest cost base and environmental impact.

Vortex has also coupled Tetronics' addition to its offering with the release of new solutions to offer a full product and services line up for catalytic converter processing. This includes, removing the converter from the vehicle, de-canning, crushing, grinding and homogenizing the material ready for an assay, then finally smelting the product to extract the precious metals.

Peterson chooses dealer of the year for 2014

■ Peterson Pacific Corp. a manufacturer of horizontal grinders, drum and disc chippers, blower trucks, and screens disclosed that Barry Equipment, Co. of Webster, Massachusetts, as their 2014 Dealer of the Year. This is the third year in a row that Barry Equipment has won the award.

Toter adds two regional sales managers

■ Toter, a Wastequip brand, and a manufacturer of two wheel carts for curbside collection of waste, recycling, and organics, has added two regional sales managers. Gareth Buxton will have responsibility for the mid-Atlantic region, and Blake Wetzel will be responsible for the upper Midwest region. Both will be tasked with growing sales in Toter's residential channel, specifically with municipalities and private waste haulers.

Buxton began his career with Toter in January 2015 as an industrial distribution manager, where he focused on developing Toter's industrial, commercial, and institutional customer channels while driving long-term, sustainable growth for the Toter professional products business.

Prior to joining Toter, Buxton was the founder of Allied Enterprises, LLC, where he offered health and wellness services. Before his entrepreneurial stint, he served six years with a Special Forces unit of the British Royal Marines. He also managed operational planning and crisis management as an assistant director of operations for Aegis, a defense security and risk management service organization. In addition, he served as the reconstruction liaison team leader, focusing on building strategic relationships with government officials and key leaders in Iraq. Buxton's responsibility for the mid-Atlantic region includes North and South Carolina, Georgia, Virginia, Maryland, Delaware and the District of Columbia.

Wetzel brings more than 12 years of industry and sales experience. He joined Toter's parent company, Wastequip, in 2014. He served as a regional sales manager for Wastequip's technical division, and was responsible for growing business for the company's compactor and baler product lines. Prior to joining Wastequip, he worked as a sales supervisor for Republic Services. Wetzel's responsibility for the upper Midwest region includes Ohio, West Virginia, Indiana, Illinois, Michigan, Wisconsin and Minnesota.

Galbreath expands dealer network in Georgia

■ Galbreath, a Wastequip brand, and a manufacturer of hoists, container handlers and trailers, has named Carolina Environmental Systems (CES) its exclusive equipment dealer for Georgia.

CES will now service all of Georgia, expanding its current coverage area of northern Georgia, North Carolina and South Carolina. CES expanded operations in Georgia in early 2014, when it opened a location in Austell. At that time, CES became a Galbreath dealer for the northern Georgia region.

CES sells both new and pre-owned equipment for the solid waste and recycling industry including hoists; front, rear and side-loading refuse trucks; knuckle boom loaders; tarping systems; refuse containers; parts, services and more.

Ray Barry joins Vecoplan as sales manager

■ Ray Barry joined Vecoplan, LLC as sales manager – mobile, document destruction and paper recycling division. Formerly deputy executive director for the National Association for Information Destruction (NAID), Barry has also served as dean of shred school and began his career in executive sales and operations positions with private sector shredding service providers. Barry brings over 15 years of practical sales and marketing experience within the secure destruction industry to his new position at Vecoplan.

In addition to sales management, other responsibilities of Barry's new position include working with customers and Vecoplan R&D engineers to develop solutions for challenges faced by processors in the field. He will also play an integral role coordinating the introduction of these new technologies to the market.

Recognized as a thought-leader in the secure destruction industry, he has authored numerous articles published in international document destruction trade journals, has been a featured speaker at NAID technical conferences.

*A man rudely said to his wife one day, "I don't know how you can be so stupid and so beautiful at the same time."*

*The wife responded, "Allow me to explain: God made me beautiful so you would be attracted to me; God made me stupid so I would be attracted to you!"*

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## BUSINESS BRIEFS

### Call2Recycle names new managing director

■ Call2Recycle, Inc. has named Tim Michaels managing director of operations. With more than 15 years' experience, Michaels is known for his expertise for domestic and international work in logistics, process improvement and operations management.

In his new position Michaels will manage all operational logistics of Call2Recycle's battery collection and recycling program in the U.S. and Canada. In addition he will drive infrastructure enhancements with a continued focus on greater operational effectiveness and efficiencies.

Michaels has an extensive background in the sustainability and distribution sector, having previously managed operations at BlueLinx Corporation, GE Polymershapes and GE Supply. He has also served as the director of logistics at Ogin Energy, Inc., a wind turbine manufacturer, as well as Manager of global logistics for wind turbine and water purification projects at GE Power & Water.

### Absolute Data Shredding hires new account rep

■ Absolute Data Shredding of Norman, Oklahoma, a NAID certified shredding company, has hired former Mid America Recycling and Greenstar Recycling general manager, Brian Reid as their major account representative.

Reid brings extensive experience along with a vast clientele following.

### Waste Pro acquires three waste hauling companies

■ Waste Pro has acquired Waste Away Services, LLC, a full service hauling company serving approximately 1,850 customers in Elberton, Georgia. The operations will become part of Waste Pro's existing Athens, Georgia location adding both staff and equipment.

Waste Away Services is one of three residential and commercial waste service and disposal companies acquired by Waste Pro in the past three months.

In April, Waste Pro acquired Henson Waste Disposal, adding the service operations into their Asheville, North Carolina division.

The third acquisition occurred in May, when Waste Pro acquired Liberty Waste Services. Liberty Waste is tucked in with the Waste Pro Charlotte, North Carolina regional operations.

### Enerkem appoints David McConnell as VP

■ David McConnell joined Enerkem's management team as vice president, business development, North America. He has over 25 years of experience in operations, sales and procurement in the industry.

McConnell was most recently vice president of supply chain at Waste Management, where he was responsible for the alignment between corporate functions and field operations in order to achieve WM's transformation goals. In his prior position, McConnell was area vice president overseeing the financial and operations of the Waste Management of North Florida and Puerto Rico.

### Liebherr Construction adds Bane as new dealer

■ Liebherr Construction Equipment Co., a sales division to a manufacturer of earthmoving equipment, has disclosed a new partnership with Bane Machinery Inc.

Under the new agreement Bane Machinery is given responsibility for the promotion, sales and service for the full line of Liebherr earthmoving and material handling equipment in north, east and west Texas.

Bane's corporate office is located in Dallas with additional locations in Tyler and Fort Worth, Texas. Each facility is equipped with parts and service centers, state-of-the-art tools and factory certified technicians to support Liebherr customers in these areas.

### Hyundai Construction adds Corey Rogers as manager

■ Hyundai Construction Equipment Americas, Inc., said that Corey Rogers has rejoined the company as marketing manager. In his new role, Rogers leads all brand and product marketing and communications for Hyundai's construction equipment and forklift product lines. He is based at the company's North American headquarters in Norcross.

Rogers has more than 20 years of industry experience in sales and marketing, most recently for a leading crane manufacturer where he was regional sales manager for Latin America. He previously served in management positions with a manufacturer of material handling equipment and an excavator manufacturer.

### Scozzafava joins GBB as VP, operations officer

■ Lori Scozzafava has joined Gershman, Brickner & Bratton, Inc. (GBB) as vice president, operations officer. An experienced senior level executive, she has over 25 years of industry experience.

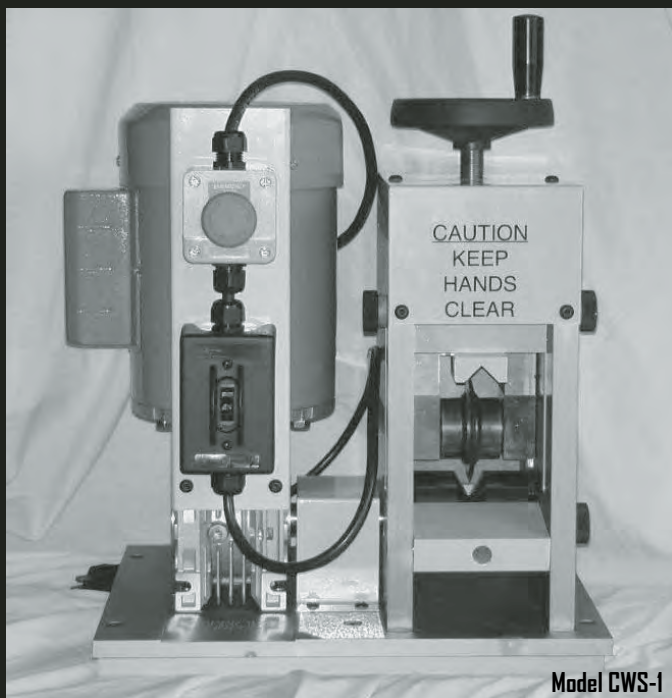
Prior to joining GBB, Scozzafava was most recently executive director of both the U.S. Composting Council and the Composting Council Research & Education Foundation, where she improved the organizations' programs and influence, expanded membership value, and dramatically turned around finances.

From 1999 to 2013, she was a key part of the leadership of the Solid Waste Association of North America, which included nine years as deputy executive director supervising administration, membership, information technologies, and database implementation. During her tenure, she was instrumental in increasing membership and net assets and achieving overall growth.

Scozzafava also brings valuable public-sector experience as a former division manager, recycling services division, at the Maryland Department of the Environment. She directed the state's \$4 million program for 21 counties where she led a team of program managers and enforcement officers and managed public outreach; technical assistance; policy development permitting; contract management; enforcement; and coordination among organizations, businesses, state agencies and counties.

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## NOTICE OF PUBLIC SALE OF COLLATERAL UNDER CALIFORNIA UNIFORM COMMERCIAL CODE

PLEASE TAKE NOTICE that, pursuant to Section 9610 of the California Commercial Code (West's Ann. Cal. Com. Code § 9610), and that certain Order Approving Confirmation of Receiver and for Preliminary Injunction in Aid of Receiver issued by the Superior Court of the State of California for the County of Kern on March 15, 2015 ("Order") in Case No. S1500-CV-283834, H. West Equipment Co. v. Central Metal, Inc. et al., court-appointed receiver Kenneth A. Krasne ("Receiver") will sell the following collateral of Debtor Central Metal Inc., a California corporation f/k/a Bakersfield Central Metal, Inc. f/k/a San Bernardino Central Metal, Inc. ("Debtor"), currently located at 220 Industrial Street, Bakersfield, California 93307 and 144 S. G Street, San Bernardino, California 92410:

Two Sennebogen Model 840M cranes, S/N 840.0.173, S/N 840.0.191, with wheel excavators, elevating cab, extra-long reach boom, four claw hydraulic freeswing grapples with power supply for magnet attachment, 25-kilowatt direct current generator, four hydraulic outriggers, tires, and all associated collateral attached thereto (collectively, the "Assets").

Receiver is not purporting to sell any asset of Debtor, whether owned or leased, except for the Assets. The Assets are presently subject to a first priority lien in favor of H. West Equipment Company, Inc., a Nevada corporation ("Lender"). The Assets secure the repayment of the indebtedness of Debtor to Lender under that certain "Master Lease Agreement," dated as of June 08, 2007.

SUBJECT TO ALL THE TERMS OF THIS NOTICE, the Assets will be sold pursuant to public auction (the "Sale") to be held telephonically at (866) 906-7447 on August 10, 2015, at 10:00 a.m. (PST), except as modified or extended by Receiver, at his discretion (the "Sale Date"). Bidders must enter the passcode 2909162# to join the auction. If you wish to inspect the Assets, please contact Receiver, at 310-944-9724, during normal business hours for an appointment.

The Assets will be sold pursuant to the following terms and conditions: on the Sale Date, the Assets will be offered for sale, with a reserve minimum opening price of \$315,000, and sold to the highest bidder at the conclusion of the Sale, as determined by Receiver in its sole and absolute discretion, on an "AS IS, WHERE IS" basis, with all faults, without recourse, and without any express or implied representations or warranties whatsoever, including, without limitation, condition of title, value or quality of the Assets, or with regard to assets, liabilities, financial condition or earnings of Debtor or any of its affiliates. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, POSSESSION, QUIET ENJOYMENT OR THE LIKE IN THIS DISPOSITION ARE EXPRESSLY DISCLAIMED.

As a condition to bidding at the Sale, all bidders (other than Lender, who has the right to credit bid part of all of the debt owed by Debtor to Lender) shall present an earnest money deposit in the form of a cash, money order, certified or cashier's check, major credit card, or personal check, so long as such personal check is accompanied by a letter of guaranty from the payor bank, made payable to Krasne & Company, Inc. for not less than twenty-five percent (25%) of their initial bid for the Assets ("Initial Deposit"), by August 5, 2015, via personal or overnight delivery to Receiver's business address - Krasne & Company, Inc., 608 Silver Spur Road, Suite 245, Rolling Hills Estates, CA 90274.

Upon acceptance of a bid (the "Accepted Bid"), the successful bidder (other than Lender) shall pay Receiver the full amount of the Accepted Bid minus the Initial Deposit (the "Balance"), within forty-eight (48) hours of the conclusion of the Sale in the form of a cash, money order, certified or cashier's check, major credit card, or personal check, so long as such personal check is accompanied by a letter of guaranty from the payor bank, made payable to Krasne & Company, Inc. and personally or overnight delivered to the Receiver's business address - Krasne & Company, Inc., 608 Silver Spur Road, Suite 245, Rolling Hills Estates, CA 90274.

If the successful bidder fails to pay the Balance of its bid within such time, bidder shall forfeit the Initial Deposit to Receiver as liquidated damages and Receiver may (but shall not be obligated to) offer the Assets to the next highest bidder. Receiver reserves its right, on or prior to the Sale Date, to withdraw all or a portion of the Assets from the Sale for any reason whatsoever, modify, waive or amend any terms or conditions of the Sale or impose any other terms or conditions on the Sale and, if Receiver deems appropriate, to reject any or all bids or to continue the Sale to such time and place as Receiver, in its sole and absolute discretion, may deem fit, or to cancel such Sale. Additional or amended terms and conditions of the Sale may be announced on the Sale Date, or any continued Sale.

Lender is permitted to credit bid any or all of the debt owing by Debtor to Lender, which is in the principal amount of \$906,615.94 plus interest, late charges and other fees and costs, and/or otherwise bid at the Sale and to have the Receiver apply the expenses of the Sale and all or any part of the total amount of the indebtedness owed to Lender under the Master Lease Agreement. Debtor, at any time after receipt of this notice and prior to consummation of the Sale, may request at its expense an accounting from Lender of the unpaid indebtedness secured by the Assets. Lender reserves all of the rights accruing to it under the Master Lease Agreement, including the right to seek a judgment for any deficiency remaining on account of its indebtedness after the conclusion of the Sale.

Persons interested in bidding on the Assets at the Sale, and/or desiring other information, may contact Receiver at 310-944-9724, during normal business hours. Receiver reserves the right to require any person making such request to disclose the person or entity upon whose behalf such information is being sought and to require the execution and delivery of a confidentiality agreement as a condition to the receipt of any confidential or sensitive information.



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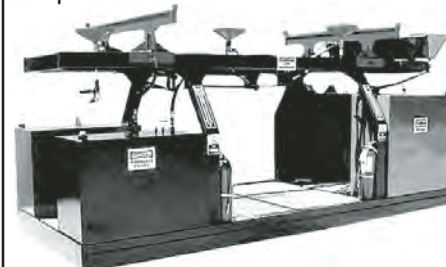
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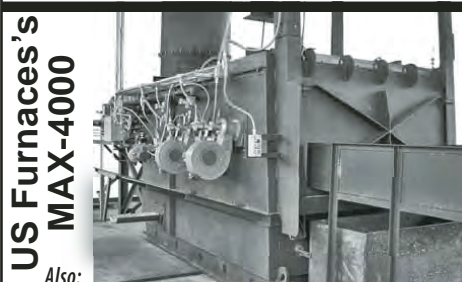
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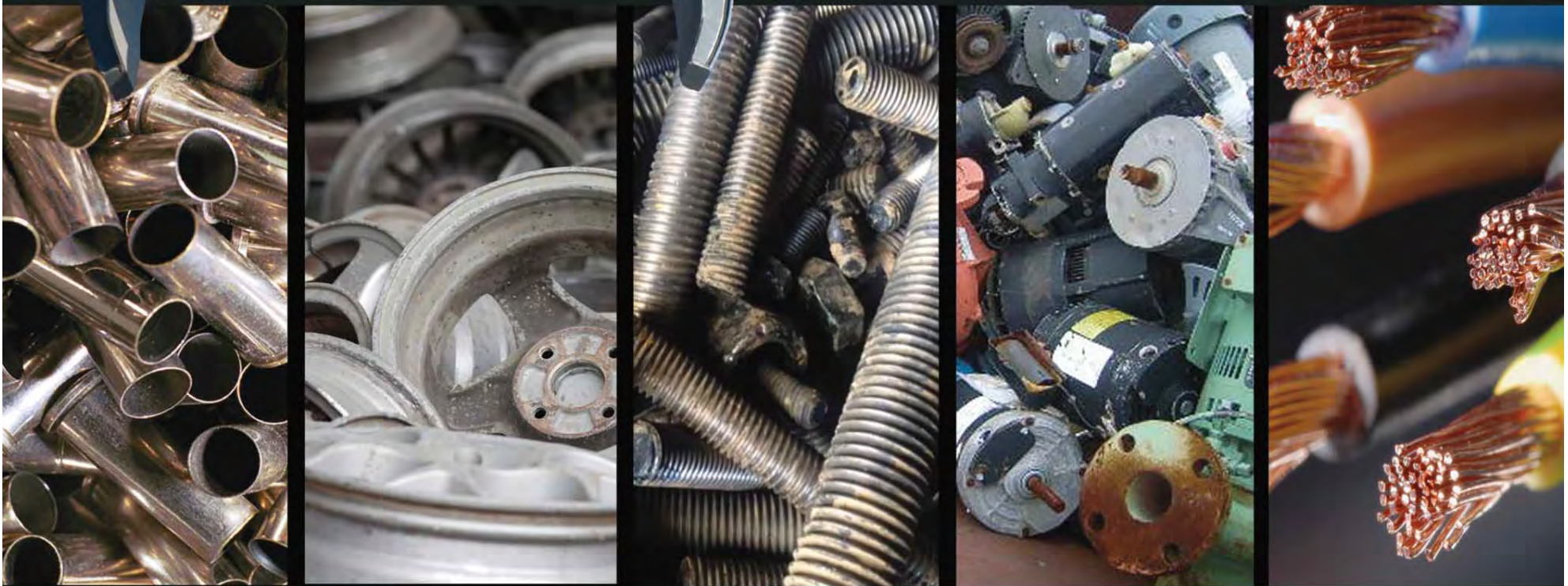
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# Teardown and rebuilding of blighted cities

by MIKE BRESLIN

mbreslin@americanrecycler.com

If there was ever a city that cried out for demolition and construction it's Detroit. In July 2013, the city filed for Chapter 9 bankruptcy with an estimated debt of \$18 to \$20 billion dollars, making it the largest municipal bankruptcy in U.S. history. A steady erosion of population from a peak of 1.8 million in 1950 to less than 700,000 today left a legacy of abandoned properties. By one estimate, there were more than 86,000 blighted buildings, mostly residential homes.

But things have been looking up for Detroit and many other rust-belt cities and suburbs that suffered decay due to the disappearance of manufacturing jobs, population shifts and a weak economy. Thankfully, in December, 2014 Detroit formally emerged from bankruptcy court protection and has been struggling to rebuild new infrastructure and a viable local economy.

Naturally, the first step towards building back infrastructure is to clean-out or demolish distressed properties so new construction can begin.

One company that has been in the forefront of Detroit's renewal is the Adamo Group. Founded in 1964 this Detroit based company has grown from a small family owned operation into a national decontamination, decommissioning and demolition business that works across the U.S. and Canada. Adamo has a full time staff of 100 that swells to over 200 during peak periods and fields a \$25 million dollar fleet of modern machinery.

John Adamo Jr., chief executive officer of Adamo provided an update on the demolition business in his area.

"I would say our business these days is good," said Adamo. "Six months ago we were swamped, but that's the nature of the beast. We get peaks and valleys. A year ago we were swamped, too. The Detroit area has been economically up and down, but there's always been demolition activity here. Now there's a great deal of concentration within neighborhoods to get rid of abandoned or fire damaged homes. There's been quite a bit of that business and I know it's happening in other metro areas in the state, but not at the level of Detroit. In a year, Detroit will demolish approximately 3,000 to 5,000 structures. Other cities won't see 500 structures demoed. I know there was some ramp-up in Flint and they may have done 500 to 1,000 last year. There's an emphasis to eliminate blighted structures.

"Generally, cities across the nation have always had these programs to get rid of abandoned homes. But in Detroit there's been more emphasis because of its bankruptcy. It's one of the things the



By one estimate, Detroit has more than 86,000 blighted buildings, mostly residential homes.

PHOTO COURTESY OF THE ADAMO GROUP

city can do to help it come back, so Detroit is making much more of an effort. They are probably going to demolish more structures per year than they have in the past. Naturally, they have to have the money to do it."

In May, 2014 the City of Detroit announced that their goal was to remove 1,000 structures per month. But that was toned down because of funding issues. The high-water mark for Adamo was 400 houses per month. Currently Adamo is doing about 50 per month. Demolition contracts are issued by the Detroit Land Bank Authority and the City of Detroit Buildings, Safety Engineering & Environmental Department.

When an Adamo crew starts to demolish a structure it has usually been stripped of recyclable metals by thieves. Unfortunately, most of the demolition debris is wood and not suitable for recycling, so it is landfilled. Recycling wood has been tried, but proved cost prohibitive largely because the wood is often contaminated with lead paint or asbestos.

"Some homes have asbestos and because they are so damaged you can't remove the asbestos," said Adamo. "We have to take all the asbestos contaminated waste to a permitted landfill. If the house is structurally sound and has not been fire damaged, we can remove the asbestos prior to demolition, bag it and ship in a lined truck to a specially

licensed landfill area. Houses with asbestos are costing \$10,000 to \$40,000 each because of plaster in it that needs to be abated. On average, a house containing asbestos runs about \$25,000 but can be as low as \$500. For a house without asbestos, the average price is \$8,000 to \$15,000.

"We separate concrete from driveways, blocks and footings and send those to a recycler. I would say we recycle about 20 percent of the material, tops. Houses are not like big steel or concrete projects."

One of the challenges faced by Adamo in the Detroit area is the lack of adequate trucking services to haul debris to landfills and truck material to job sites to fill-in foundations. He says that many companies that were doing this work suffered when the recession hit and did not recover, or downsized and that the trucking capacity in the area is about half of what it used to be.

"We always had trucks, but now we own more, said Adamo. "We bought cautiously because they are good when you have work, but when you don't have it they sit in the yard. Right now we're running about a dozen trucks.

"House demolition in this market is always challenging because it brings out a lot of competition. If you have a pickup truck, an excavator and a couple of dumpsters you could probably get a house demolition contract. Entry at that level does not cost much. You can rent

equipment or buy a used piece for a nominal amount."

Adamo said his company is best able to compete on multiple, larger projects where there are 50 or 100 homes on the bid pack. Detroit always has 10 to 20 house packages, a good arena for everyone to compete.

"There's a lot of demo work out there," said Adamo. "However in the industrial-commercial world there are strange buying habits by customers. When I started in the business in the 80s, there was a bid pack put together, usually by a consulting engineer or architect, and a set of plans and documents that all would bid against. Generally you were comparing prices as apples to apples, but a lot of things today have changed. If a customer has an abandoned plant, for instance, some people would come in and say I'll tear it down for a buck, or I'll pay you a buck for scrap value. Many times there are no rules for the scope of work. It's kind of an open market so it's hard to bid on some of these projects because the owners are obviously out to get the best deal without using traditional purchasing methods. It's often hard to compete because we may price things that we know need to be done, but are not necessarily being priced by our competitors. I think the biggest challenge is the lack of consistent delivery method of specs for bidding. It's pretty much a wide open season.

See REBUILDING BLIGHT, Page B7



## A Letter from the Editor

Readers,

As some of you may know, American Recycler is based out of Perrysburg, Ohio. Recently, we Ohioans got some interesting news – our very own Governor, John Kasich, has officially announced his candidacy for the presidency.

As the 16th major Republican candidate, his candidacy may seem like a non-starter, but there are several reasons not to write him off yet. Firstly, Kasich enjoys broad support in Ohio – a critical swing state in the general election. Since 1960 or so, no Republican president has taken office without first winning Ohio in the general election. Having won his last gubernatorial race by a landslide – taking 86 of 88 counties – no other candidate can bring that sort of swing-state support to the Republican ticket. In fact, some polls show Kasich easily beating Hillary in Ohio.

Secondly, while he hasn't managed to match the funding of Jeb Busch or Donald Trump, he has managed to come up with a decent amount of capital for his campaign. Prior to his formal announcement, a non-profit organization that was created in April to kick start his candidacy managed to raise almost \$12 million to promote him. That he managed to raise so much in such a short time, in spite of his centrist views and somewhat abrasive handling of his donors, speaks well of his ability to continue to generate capital going forward in his campaign.

Third, Kasich has a great conservative resume. His tenure in Congress and as governor of Ohio have proven that he is comfortable with budget numbers, and working to keep them balanced (and low). He's implemented measures to make Ohio more business-friendly, cut taxes and helped Ohio reduce unemployment at rates that outpace the rest of the nation. He's also unapologetically religious, but whether that will help or hinder him on a diverse national stage remains to be seen.

Kasich does have some issues that he'll have to overcome if his candidacy is to have any staying power. He'll have to temper his usual bluntness and perhaps work on being a little less prickly. And he'll also need to work on establishing better donor relationships, and try not to say things that cause them to leave his fundraising events prematurely.

But the biggest factor that Kasich has in his favor? He's not Trump.

Until next month,



Esther Fournier  
Editor & Publisher

# EPA requires Lehigh Cement to cut toxic discharges to San Francisco Bay

The U.S. Environmental Protection Agency, U.S. Department of Justice and the State of California announced a settlement requiring the Lehigh cement plant near Cupertino to reduce toxic discharges of selenium and other metals to Permanente Creek, a tributary of San Francisco Bay. The facility, owned by Hanson Permanente Cement Inc. and operated by Lehigh Southwest Cement Co., will spend more than \$5 million to install wastewater treatment and make other facility improvements to prevent future violations. The company will also pay \$2.55 million in civil penalties to settle the case.

The settlement addresses Lehigh's and Hanson's violations of the Clean

Water Act. The Cupertino facility routinely discharged excessive selenium into Permanente Creek in violation of Lehigh's permits from at least 2009 to 2014. The plant's discharges also routinely exceeded standards for total suspended solids, total dissolved solids, turbidity, and pH, and in some cases exceeded standards for mercury, hexavalent chromium, nickel, and thallium.

"Today's Clean Water Act settlement, done jointly with the state of California, will remove selenium and other toxic substances from Permanente Creek and help protect the fragile and life-sustaining ecosystem of San Francisco Bay," said assistant attorney general John C. Cruden of the Justice

Department's Environment and Natural Resources Division. "By bringing this older facility up to contemporary standards, and by pushing it to introduce cutting-edge treatment technology, the Department of Justice and our partners are helping create a level playing field, where all industry members are held to the same standards and no company can gain an economic advantage over its competitors by shortchanging environmental compliance."

Since at least 2009 to 2014, Lehigh's limestone mine and cement plant discharged millions of gallons of quarry process water and stormwater to Permanente Creek daily. These discharges contained thousands of pounds of sediment, and hundreds of pounds of selenium and other toxic metals each year in violation of the federal Clean Water Act. The settlement requires Lehigh to construct an advanced wastewater treatment system to significantly reduce its selenium and other metals discharges. Lehigh already installed an interim treatment system and a permanent system will be completed by 2017. Lehigh will make other facility improvements to remove sediment from its stormwater runoff, spending more than \$5 million overall to come into compliance.

## WM recognizes companies for waste reduction

Waste Management named the winners of the 2015 "Sustainability Circle of Excellence Award," a recognition given to the top waste reduction customers in the construction industry whose various projects achieved outstanding sustainability milestones.

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•Gilbane Building Company – Thomas F. Gilbane, Jr., chairman and chief executive officer.

•J.H. Findorff & Son, Inc. – Dave Beck-Engel, president.

•M.A. Mortenson Company – Thomas F. Gunkel, chief executive officer.

•Robins & Morton – Bruce Adams, president.

•Skanska USA, Inc. – Richard Cavallo, president and chief executive officer.

•Wespac Construction, Inc. – John Largay, president.

•The Whiting-Turner Contracting Company – Timothy Regan, president and chief executive officer.

•Walsh Construction – Matthew Walsh, chairman and chief executive officer.

•W.M. Jordan Company – John Lawson, president and chief executive officer.

In total, these winning companies put over 90 thousand tons of materials to reuse and achieved a 70 percent diversion rate.

### NOTICE OF PUBLIC SALE OF COLLATERAL UNDER CALIFORNIA UNIFORM COMMERCIAL CODE

PLEASE TAKE NOTICE that, pursuant to Section 9610 of the California Commercial Code (West's Ann. Cal. Com. Code § 9610), and that certain Order Approving Confirmation of Receiver and for Preliminary Injunction in Aid of Receiver issued by the Superior Court of the State of California for the County of San Bernardino on February 24, 2015 ("Order") in Case No. CIVDS1417470, H. West Equipment Co. v. Central Metal, Inc. et al., court-appointed receiver Kenneth A. Krasne ("Receiver") will sell the following collateral of Debtor Central Metal Inc., a California corporation fka San Bernardino Central Metal, Inc. ("Debtor"), currently located at 144 S. G Street, San Bernardino, California 92410:

A 2005 Harris Model BSH-26-1003B hydraulic baler/logger/shear, Serial Number 2910, 26 foot "tuck-&-fold" hopper, four 100 horsepower electric hydraulic motors, 1,500 gallon hydraulic oil tank, control room with Harris control panel with Allen Bradley Model Panelview 600 catwalks, 60" by 48" discharge conveyor, 48" throat and all associated collateral attached thereto (collectively, the "Assets").

Receiver is not purporting to sell any asset of Debtor, whether owned or leased, except for the Assets. The Assets are presently subject to a first priority lien in favor of H. West Equipment Company, Inc., a Nevada corporation ("Lender"). The Assets secure the repayment of the indebtedness of Debtor to Lender under that certain "Master Lease Agreement," dated as of March 30, 2006.

SUBJECT TO ALL THE TERMS OF THIS NOTICE, the Assets will be sold pursuant to public auction (the "Sale") to be held telephonically at (866) 906-7447 on August 10, 2015, at 10:00 a.m. (PST), except as modified or extended by Receiver, at his discretion (the "Sale Date"). Bidders must enter the passcode 2909162# to join the auction. If you wish to inspect the Assets, please contact Receiver, at 310-944-9724, during normal business hours for an appointment.

The Assets will be sold pursuant to the following terms and conditions: on the Sale Date, the Assets will be offered for sale, with a reserve minimum opening price of \$700,000, and sold to the highest bidder at the conclusion of the Sale, as determined by Receiver in its sole and absolute discretion, on an "AS IS, WHERE IS" basis, with all faults, without recourse, and without any express or implied representations or warranties whatsoever, including, without limitation, condition of title, value or quality of the Assets, or with regard to assets, liabilities, financial condition or earnings of Debtor or any of its affiliates. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE POSSESSION, QUIET ENJOYMENT OR THE LIKE IN THIS DISPOSITION ARE EXPRESSLY DISCLAIMED.

As a condition to bidding at the Sale, all bidders (other than Lender, who has the right to credit bid part of all of the debt owed by Debtor to Lender) shall present an earnest money deposit in the form of a cash, money order, certified or cashier's check, major credit card, or personal check, so long as such personal check is accompanied by a letter of guaranty from the payor bank, made payable to Krasne & Company, Inc. for not less than twenty-five percent (25%) of their initial bid for the Assets ("Initial Deposit"), by August 5, 2015, via personal or overnight delivery to Receiver's business address – Krasne & Company, Inc., 608 Silver Spur Road, Suite 245, Rolling Hills Estates, CA 90274.

Upon acceptance of a bid (the "Accepted Bid"), the successful bidder (other than Lender) shall pay Receiver the full amount of the Accepted Bid minus the Initial Deposit (the "Balance"), within forty-eight (48) hours of the conclusion of the Sale in the form of a cash, money order, certified or cashier's check, major credit card, or personal check, so long as such personal check is accompanied by a letter of guaranty from the payor bank, made payable to Krasne & Company, Inc. and personally or overnight delivered to the Receiver's business address – Krasne & Company, Inc., 608 Silver Spur Road, Suite 245, Rolling Hills Estates, CA 90274.

If the successful bidder fails to pay the Balance of its bid within such time, bidder shall forfeit the Initial Deposit to Receiver as liquidated damages and Receiver may (but shall not be obligated to) offer the Assets to the next highest bidder. Receiver reserves its right, on or prior to the Sale Date, to withdraw all or a portion of the Assets from the Sale for any reason whatsoever, modify, waive or amend any terms or conditions of the Sale or impose any other terms or conditions on the Sale and, if Receiver deems appropriate, to reject any or all bids or to continue the Sale to such time and place as Receiver, in its sole and absolute discretion, may deem fit, or to cancel such Sale. Additional or amended terms and conditions of the Sale may be announced on the Sale Date, or any continued Sale.

Lender is permitted to credit bid any or all of the debt owing by Debtor to Lender, which is in the principal amount of \$906,615.94 plus interest, late charges, and other fees and costs, and/or otherwise bid at the Sale and to have the Receiver apply the expenses of the Sale and all or any part of the total amount of the indebtedness owed to Lender under the Master Lease Agreement. Debtor, at any time after receipt of this notice and prior to consummation of the Sale, may request at its expense an accounting from Lender of the unpaid indebtedness secured by the Assets. Lender reserves all of the rights accruing to it under the Master Lease Agreement, including the right to seek a judgment for any deficiency remaining on account of its indebtedness after the conclusion of the Sale.

Persons interested in bidding on the Assets at the Sale, and/or desiring other information, may contact Receiver at 310-944-9724, during normal business hours. Receiver reserves the right to require any person making such request to disclose the person or entity upon whose behalf such information is being sought and to require the execution and delivery of a confidentiality agreement as a condition to the receipt of any confidential or sensitive information.



# Cement industry honors leaders in environmental excellence

Three cement plants received special recognition for their commitment to improving the environment and their communities at the 14th Annual Cement Industry Environment and Energy Awards.

The Awards were presented by the Portland Cement Association (PCA) and Cement Americas magazine at PCA's spring meeting in Chicago, Illinois.

The awards honor cement production facilities that have taken actions toward continuous environmental improvement, beyond government regulations and local laws, to make their plants and their communities better places to work and live.

"Cement companies are constantly improving manufacturing practices and incorporating new technologies to make their plants cleaner and more energy efficient," said James G. Toscas, president and chief executive officer of PCA. "These particular facilities are being recognized for going even further, directly improving the land and neighboring communities."

Plants throughout North America were evaluated in six categories, and the following received awards (listed by category, company, and plant location):

## Overall Excellence

Lafarge North America Inc., Alpena, Michigan – Throughout 2014, the Alpena plant took several measures to improve its performance, as well as the area and community around it. Alpena took on a voluntary commitment to undertake pollution prevention projects within the plant by partnering with the Michigan Department of Environmental Quality. The Lafarge Alpena Plant successfully reduced several emissions by fifty percent including sodium dioxide, nitrogen oxide, and mercury. The plant joined with General Motors and the Girl Scouts who built bat houses made from recycled materials including wood pallets, and battery covers from the Chevy Volt, and placed on the Lafarge property.

## Outreach

CEMEX USA, Lyons, Colorado – For the past year, the CEMEX USA Lyons facility focused its support on the recovery of the town of Lyons and adjacent communities after the area was devastated by a 100 year flood in the fall of 2013. In addition to monetary donations, the plant partnered with several agencies on flood relief and rehabilitation. The plant donated dumpsters and waste disposal

for flood debris as well as rock for the repair of a creek to pre-flood path in coordination with Boulder County and Colorado's Division of Reclamation and Mining.

## Environmental Performance Award

Lafarge North America Inc., Alpena, Michigan – The cement plant in Alpena continued to meet and exceed its regulatory and permit emission limits. Compared to 2013, the facility reduced its Title V emissions by 50 percent by weight for the total of sodium dioxide (SO<sub>2</sub>), nitrogen oxide (NO<sub>x</sub>), volatile organic compounds (VOC), hydrogen chloride (HCl), and particulate matter (PM). Many of these reductions were a direct result of replacing coal in the fuel feed with petroleum coke, a by-product from oil refineries, and using waste plastics and shredded shingles as alternative fuels.

## Land Stewardship

CEMEX USA Brooksville South, Brooksville, Florida – The CEMEX USA Brooksville facility completed a top-down approach to land stewardship in 2014. Starting at the top, CEMEX established an osprey nesting platform on top of a 12' pole overlooking the property. To attract native birds and

other wildlife to the area, the plant looked to the bottom, and teamed with the Wetland Management Services to plant native species on the littoral shelf in one of its ponds.

## Innovation

Lafarge North America Inc., Alpena, Michigan – The Alpena plant took on several initiatives to improve processes and save resources. The plant utilized the bleed water stream off the wet flue gas desulfurization scrubber in its five clinker coolers. The water is vaporized in the clinker cooler and any solids in the stream are incorporated into the clinker, which prevented the bleed water stream from becoming waste water and needing additional treatment.

## Energy Efficiency

CEMEX USA Brooksville South, Brooksville, Florida – The Brooksville South plant received recognition from the U.S. EPA Energy Star in 2014 for their energy conservation efforts. The facility implemented energy conservation and monitoring technologies, promoted energy efficiency awareness among employees and completed energy reduction projects. The plant's efforts focused on the use of supplemental cementitious materials to reduce greenhouse gas emissions associated with every ton of cement produced.

# Construction spending in May reaches highest level since 2008

Construction spending climbed in May to the highest level since October 2008, according to an analysis by the Associated General Contractors of America. Association officials cautioned, however, that those spending gains could be at risk unless all levels of government strengthen programs to develop the construction workforce.

"There were solid monthly and year-over-year gains in May for all major construction categories," said Ken Simonson, the association's chief economist. "The private segments appear poised to maintain growth throughout the year. But contractors increasingly report difficulty in finding workers with the right skills to construct large and complex projects."

Construction spending in May totaled \$1.036 trillion at a seasonally adjusted annual rate, 0.8 percent higher than the April total despite a steep upward revision in that figure and 8.2 percent higher than

in May 2014, Simonson said. He noted that the year-over-year growth rate was the strongest since March 2014, indicating a faster pace of construction spending.

Private nonresidential spending in May increased 0.9 percent from April and 10.3 percent from a year earlier, while private residential spending increased 0.3 percent for the month and 7.8 percent over 12 months. Public construction spending rose 0.7 percent from a month before and 2.8 percent from 12 months earlier.

"Several components of the private categories posted especially large year-over-year increases," Simonson said. "Whether they can continue to grow depends in part on companies being able to find enough skilled workers."

Simonson cited as areas for which worker shortages could be problematic the one-year increases of 70 percent in manufacturing construction spending, 46 percent in amusement and recreation

construction, 30 percent in lodging construction, 26 percent in private office construction and 21 percent in multifamily construction.

Association officials urge federal, state and local officials to enact the measures outlined in the association's Work-

force Development Plan. Those measures, which include expanding career and technical education opportunities, making it easier for firms to establish regional training programs and immigration reform, are designed to make it easier to recruit and prepare new construction workers.



## 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 877-777-0043.

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.

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# EQUIPMENT SPOTLIGHT

## Scales

by MARY M. COX

maryc@americanrecycler.com

Recycling centers continually pop up around the country and the law requires that the scales used by these facilities for buying and selling be certified per the National Type Evaluation Program (NTEP).

American Weigh Scales offers low cost, reliable NTEP industrial solutions to meet industry requirements. "From crane scales for the on-the-move business, to bench scales, floor scales and truck scales for recycling center locations, we have a scale solution to meet your weighing needs," said Beth Brown, industrial sales specialist.

Brown

continued, "Right now, we offer special pricing on 4' x 4' and 5' x 5' floor scales in 5,000 lb. and 10,000 lb. capacity for recyclers that have seen us in American Recycler. Available in many sizes and capacities, these units are plug-and-play and set up is done within a few minutes. All scales are pre-calibrated and most sizes are readily available for same day shipping. Our scales will keep you legal for trade in all 50 states and we've been in business for 12 years. Our experienced industrial specialists are skilled in recommending the best scale for your application and recommend checking with your state department of Weights and Measures to see if the scale you need must be put in service by a licensed scale technician before using."

"B-TEK Scales is proud to be one of the largest truck scale producers in the world. We are fortunate to be involved with many different industries and we supply weighing equipment for many different applications. A couple of industries which have helped make B-TEK a household name over the past 25 years are construction and recycling," Brett Kaufman, national sales manager explained.

Although relatively nascent on the manufacturing side, B-TEK has quickly gained market share by doing things differently than their competitors. "Our roots date back over 80 years in the

service industry, primarily focused in the Midwest and the 'rust belt.' Engineering expertise and product quality are two of the strengths which established our manufacturing presence and we've been able to retain those qualities as we've moved forward. In 2003, we became one of the first scale manufacturers to introduce a standard, over the road, truck scale that was rated for a 100,000 lb. concentrated load capacity. This scale offers a 270,000 lb. overall capacity. We named this scale the Centurion and 12 years later, we still regard this as our flagship product," said Kaufman.

Kaufman indicated that many of the design features in the Centurion have carried the company into the manufacture of larger, off road vehicle scales and heavier applications commonly found in the construction industry. For example, B-TEK's Big Bertha model has the same principles as the Centurion – an open beam design, up to 5/8" deck plate, SSPC-SP6 steel preparation – but it is geared for dump trucks and loaders commonly found on construction sites.

"As our economy has continued to climb back and new building has increased, we have seen more and more of our business focused on the construction and demolition sectors. We look forward to what the next 5 to 10 years have in store and we're poised to handle the growth that we expect from not just



B-TEK Scales, LLC

construction but the American economy as a whole," Kaufman said.

"The Quick Clean Roadweigh II truck scale from Emery Winslow Scale Company is the most important truck scale innovation in decades. It is designed specifically for recycling, waste, scrap and transfer stations, where environmental factors cause fre-

quent scale failures," Rudi Baisch, vice president stated. He said that the average waste facility may spend many thousands of dollars each year to replace load cells, replace cables and recalibrate scales. "The Quick Clean Roadweigh II is starkly different than all other scales. First, the load cells are hydrostatic (non-electronic) and guaranteed for life against failure from water, rodents, lightning, flooding and power surges. Second, the scale platforms can be removed quickly for easy pit cleaning, without calling your scale service provider!"

Baisch also explained how the Quick Clean truck scale consists of two or three axle scale platforms, usually 10' x 10', up to 11' x 15' each, positioned so that the steering, drive and trailer axle groups are all sitting on a scale platform. The individual axle group weights can be displayed and recorded, as well as the gross weight of the truck. This allows the trailers to be filled to capacity, yet not exceed legal load limits, and thus avoid costly fines. The scale platforms can be lifted directly off the load cells with a typical pay loader, for complete access to the pit for high pressure wash down and cleaning. This removal procedure takes less than 10 minutes, and there are no special tools required. After the pit is cleaned, the patented alignment pins allow the scale platform to be lowered back onto the load cells, and the scale is back in operation. There is no need to call a scale service company, and no need for scale recalibration and the scales work with most existing scale instrumentation and software.

The industrial truck scales built by Rockwell Scales are available with steel or concrete decks. Any deck length needed is available and deck width can be built to 12' in size. "Our most popular item is our steel deck truck scale, The Hulk," said Nick Rockwell, president. He said The Hulk features up to a 135 ton capacity and a 3/8" deck. Rockwell said, "A 3/8" deck eliminates the possibility of deck warping and cracking over time, which occurs with lighter deck plating. Unlike other encased structures that include tubing and foreign U-beams that don't allow the metal to breath and dry, all Rockwell scales feature an open I-beam understructure and industrial paint, which limits rust development. All of our scales are welded by hand using American steel in

our plant in Montana. Our customers like our willingness to fight for their business, our quick response to questions and our ability to ship orders in a timely manner. We are able to produce one 70' Crusher cement deck truck scale in 5 days and a 70' Hulk steel deck truck scale in 7 days. We're building a larger manufacturing plant and expect to relocate later this summer. This new factory will allow us to increase production three fold."

See SCALES, Page B5

### Manufacturer List

#### American Weigh Scales

Beth Brown

866-643-3444

www.scales.net

#### Avery WeighTronix

James Little

877-888-1646

www.averyweigh-tronix.com

#### B-TEK Scales, LLC

Brett Kaufman

800-266-8900

www.b-tek.com

#### Cardinal Scale Manufacturing Co.

Randy Doyle

800-441-4237

www.cardinalscales.com

#### Emery Winslow Scale Co.

Rudi Baisch

800-891-3952

www.emerywinslow.com

#### Holtgreven Scale & Electronics

Len Holtgreven

800-637-3326

www.loadmasterscale.com

#### Mettler Toledo

Steve Graham

800-638-8537

www.mt.com/vehicle

#### Rice Lake Weighing Systems

Joe Grell

800-472-6703

www.ricelake.com

#### Rockwell Scales Inc.

Nick Rockwell

406-799-3945

www.rockwellscales.com

#### Vulcan On Board Systems

Eric Elefson

800-237-0022

www.vulcansales.com

#### Walz Scale

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## NAPA honors industry leaders for operational excellence

The National Asphalt Pavement Association (NAPA) honored the winners and finalists of its 2014 Operational Excellence Awards.

"The five Operational Excellence Award categories are: Asphalt Operations Safety Innovation, Community Involvement, Ecological, Outstanding Brochure, and Outstanding Website. These awards recognize asphalt pavement industry leaders who are excelling at operational practices," stated Jim Mitchell, chairman of the awards committee.

The 2014 winners and finalists are:

•Asphalt Operations Safety Innovation Award Winner: Lakeside Industries Inc. of Issaquah, Washington.

•Asphalt Operations Safety Innovation Award Winner: Payne & Dolan Inc. of Gladstone, Michigan.

•Community Involvement Award Winner: Pennsy Supply Inc., an Oldcastle Co. of Harrisburg, Pennsylvania.

•Community Involvement Award Finalist: Barrett Paving Materials Inc. of Watertown, New York.

•Community Involvement Award Finalist: Silver Star Construction Co. Inc. of Moore, Oklahoma.

•Community Involvement Award Finalist: Tilcon New York Inc., an Oldcastle Materials Co., of Wharton, New Jersey.

•Ecological Award (existing plant) Winner: Duval Asphalt Products Inc. of Jacksonville, Florida, for Plant 2.

•Ecological Award (new plant) Winner: Commercial Asphalt Co. of Maple Grove, Minnesota, for the Blaine Minnesota plant.

## Scales

■Continued from Page B4

"We provide rapid installation worldwide. A cement deck can be installed in four days and a steel deck can be installed in three days. We are especially proud of an installation in Billings, Montana. The site is a landfill where our crusher model scale is used. That scale has weighed hundreds of vehicles per day since 2000, with near perfect performance. One of our Mega Hulk mining scales is used at a gold mine in Nevada. That scale weighs 400,000 lb. loads each day. We are proud of all our products, but these two are certainly performance stand outs. We have been in business since 1980 and we've noticed a surge in the industry recently: Chinese-made scales that use a weaker grade of steel along with enclosed structural design. Weaker grades of steel will not stand up to constant deflection and eventually fracture and cause problems. These inferior products pass the industry



Rockwell Scales Inc.

NTEP evaluation, but that process doesn't reflect fitness for long term durability. Typically, the Chinese scales won't last as long as American-made scales," said Rockwell.

## Dole Packaged Foods achieves LEED Gold

Dole Packaged Foods disclosed that its North American headquarter building in Westlake Village, California was awarded LEED Gold Certification. The recently constructed building is 105,000 sq.ft., and incorporates a wide range of aggressive energy efficiency measures as well as a 577 kW solar panel array which provides almost 75 percent of the building's electricity needs. The building was developed by the Searles Property Group in partnership with Amstar.

The building has extensive specifications for non-harmful interior finishes and significant use of recycled content. The construction team was able to recycle 95.6 percent of the construction debris which amounted to 383 tons of recycled diversion. The building is extremely water efficient with low water use plumbing fixtures that reduce water usage and waste sewer demand.

## Belmont achieves platinum LEED status

The Wedgewood Academic Center was recently awarded LEED Platinum certification by the U.S. Green Building Council (USGBC), making Belmont the first University in Tennessee and the first LEED for New Construction project in Nashville to achieve that level, the highest in the LEED ratings system.

The 186,000 sq.ft. Wedgewood Academic Center sits above a 5 level underground parking garage and represents Belmont's largest building to date. The facility houses more than 50 undergraduate programs from three different colleges as well as 20 science labs, numerous classrooms and offices, two food service venues, multiple green roofs and a chapel.

David Minnigan, a principal with architectural firm Earl Swensson Associates, noted that the platinum certification is even more significant considering the challenges such a building presents in terms of its large size, style (traditional versus modern) and contents. "With such classical architecture, it is not always appropriate to use contemporary techniques – like some types of green screens or sun shades – that are commonly utilized on many LEED-certified new construction projects. Plus, a facility that's in use by college students 18 hours a day and incorporates science laboratory facilities can make energy efficiency difficult."

A few highlights of the sustainable initiatives that are reflected in the Wedgewood Academic Center as outlined in the LEED report include:

- Over 30,000 sq.ft. of site area was restored or protected.
- Seventy-three percent of the area within the LEED project boundary is vegetated open space.
- A combination of a vegetated roof and a highly reflective roof will result in significant energy savings, reduced heat island effect and effective storm water runoff treatment.
- A 100 percent reduction in potable water usage and 55 percent reduction in total water usage were achieved through the use of groundwater for irrigation.
- A 41 percent reduction in water usage in flush and flow fixtures, saving approximately 200 kGal of water annually.



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Atlas Copco Road Construction Equipment's new CP2700 pneumatic tired roller tackles soil compaction, in addition to asphalt finishing and sealing applications.

The CP2700 is equipped with a spacious platform, ergonomic controls and a rotating, sideways-sliding seat and steering assembly. The ergonomic controls allow the operator to focus on compacting rather than checking controls, while the sliding seat ensures clear sight lines of the roller and compacting surface. Contractor also can equip the unit with a comfortable cab that provides outstanding all-round visibility and air conditioning or automatic climate control.



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### BOMAG BC472RB SHOWS NEW LANDFILL COMPACTOR

The BC472RB refuse compactor from BOMAG offers the durability of the company's larger machines. Ideal for smaller landfills, the 52,900 lb. compactor offers a sealed frame design with superior compaction capabilities.

The BC472RB utilizes polygonal compaction rings. The machine eliminates air voids by shredding and crushing waste, allowing landfill operators to achieve greater density and extend the lifespan of their landfills.

Powered by a 255 hp Deutz water-cooled diesel engine, the hydrostatic drive transfers power and torque to the wheels, providing high pushing power.



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### CLEARSPAN ADDS NEW STRUCTURE TO PRODUCT LINE

ClearSpan™ Fabric Structures, the industry leader in tension fabric buildings, has added a new structure, The Metal Building, to its line of building solutions.

The new ClearSpan Metal Buildings offer steel side walls with proven durability of a Hercules Truss Arch frame. Since there are no internal support posts, the building allows for maximum usable space.

The metal building is design-built to any need and can be engineered to meet any required building codes or snow/wind loads.



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### DOOSAN WHEEL LOADERS BOAST IMPROVED FUEL EFFICIENCY

Doosan has introduced its first Tier 4-compliant wheel loaders. The DL300-5, DL350-5, DL420-5, DL450-5 and DL550-5 — with a net horsepower range of 271 hp in the DL300-5 to 379 hp in the DL550-5. Improvements in fuel efficiency, serviceability and remote monitoring with Doosan Telematics are features that make the wheel loaders stand out.

The engines are optimized for use with a high-pressure common-rail fuel delivery system and a cooled exhaust gas recirculation system. They utilize a diesel oxidation catalyst and selective catalyst reduction after treatment to reduce nitrogen oxides.



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### GENESIS ATTACHMENTS OFFERS JAW ARMOR PROTECTION SYSTEM

Genesis Attachments launched its Jaw Armor™ protective system. It is now available for severe-duty contractor grapples. Jaw Armor is a weld-on modular system constructed of abrasion-resistant, proprietary GenGuard steel that maintains structural integrity and eliminates the need for build-up and hard-surfacing of the protected wear areas.

Full and tine Jaw Armor kits are available for new and existing Genesis contractor grapples. Genesis Shear Jaw Armor is also available for new and existing Genesis shears.

## Puerto Rico developer to pay penalty for violations

The U.S. Environmental Protection Agency has reached an agreement with F&R Contractors Corp. and F&R Contractors LLC (F&R) to settle the companies' alleged violations of requirements to control pollution from stormwater discharges. The agreement requires F&R to pay a \$500,000 penalty, establish new staffing positions to oversee a stormwater compliance program, adopt companywide practices that require site meetings and inspections prior to construction, and provide comprehensive stormwater compliance training for employees and contractors.

Under the federal Clean Water Act, developers and contractors responsible for operations at construction sites one acre or larger are required to implement stormwater pollution prevention plans to keep soil and contaminants from running off into nearby waterways. These plans can include measures such as the establishment of sediment barriers, the implementation of controls such as berms or catch basins to reduce stormwater flowing onto the construction site, and the protection of slopes. Water carries soil and contaminants off of construction sites at a rate typically 10 to 20 times greater than that from agricultural lands and 1,000 to 2,000 times greater than that from forested lands.

The complaint alleged that F&R violated numerous stormwater requirements at two sites by failing to adequately prepare or revise site-specific stormwater pollution prevention plans; failing to implement best management

practices; and failing to post adequate signage at the sites. The complaint also alleged that at a third site F&R discharged stormwater into the Río Canóvanas, the Río Grande de Loíza and ultimately the Atlantic Ocean without a permit.

F&R operates seven construction sites throughout Puerto Rico. Under the settlement, F&R will staff a company stormwater compliance manager to oversee the company's stormwater compliance program at these sites and any future sites the company may operate. Among other responsibilities, the company stormwater compliance manager will implement F&R's stormwater training program; submit quarterly compliance summary reports to the EPA; manage all activities necessary to meet stormwater requirements at each of the company's construction sites; and ensure a stormwater pollution prevention plan has been completed prior to commencement of construction activities at all company sites. F&R will also staff a Site Stormwater Compliance Manager at each site to oversee stormwater compliance, to stop work, or order work, if necessary to ensure compliance, and to update the site's stormwater pollution prevention plan. F&R will also provide stormwater compliance training for employees and contractors with operational responsibilities at a construction site, including comprehensive training for all managers, site-specific training in Spanish for field employees and annual refresher training for all managers.

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# Metro areas see higher number of construction workers

Construction employment expanded in 205 metro areas, declined in 101 and was stagnant in 52 between May 2014 and May 2015, according to a new analysis of federal employment data released by the Associated General Contractors of America. Association officials noted even though the majority of metro areas are still adding construction jobs, the number of gainers has decreased to the lowest level since April 2013.

"Although contractors are continuing to add workers in many parts of the country, construction employment stag-

nated or shrank in nearly half of all metro areas over the past year," said Ken Simonson, the association's chief economist. "With Washington unable to figure out how to finance infrastructure and a number of large energy projects getting put on hold, the sector's recovery appears to be slowing in certain parts of the country."

Seattle, Bellevue and Everett, Washington added the largest number of construction jobs in the past year (11,300 jobs, 15 percent), followed by Denver-Aurora-Lakewood, Colorado (10,400 jobs, 12 percent); Warren-

Troy-Farmington Hills, Michigan (8,100 jobs, 19 percent); and Los Angeles-Long Beach-Glendale, California (7,500 jobs, 6 percent). The largest percentage gains occurred in Wenatchee, Washington (30 percent, 600 jobs), Bellingham, Washington (23 percent, 1,300 jobs), Atlantic City-Hammonton, New Jersey (22 percent, 1,100 jobs), Huntsville, Alabama (19 percent, 1,400 jobs) and Warren-Troy-Farmington Hills, Michigan.

The largest job losses from May 2014 to May 2015 were in New Orleans-Metairie, Louisiana (-3,200

jobs, -10 percent), followed by Gulfport-Biloxi-Pascagoula, Mississippi (-2,600 jobs, -25 percent), Orange-Rockland-Westchester, New York (-1,800 jobs, -5 percent), Akron, Ohio (-1,300 jobs, -10 percent) and El Paso, Texas (-1,300 jobs, -9 percent). The largest percentage decline for the past year was in Gulfport-Biloxi-Pascagoula, followed by Santa Fe, New Mexico (-19 percent, -500 jobs), Bloomington, Illinois (-14 percent, -400 jobs) and Madera, California (-14 percent, -200 jobs).

## Rebuilding blight ■Continued from Page B1



Unlike large industrial projects, residential demolition yields little metal for recycling.

PHOTO COURTESY OF THE ADAMO GROUP

"We've done a lot of soft strip-outs in the past, but what's going on in downtown Detroit now is that there's a lot of buying and renovating of commercial and residential real estate. Commercial strip-outs are usually done by the general contractors because they are taking out old pieces and putting in new, so we don't get much of that business," Adamo concluded.

A company making a big difference in helping renew Detroit is Bedrock Real Estate Services. The company's sole focus is to revitalize Detroit and other promising urban centers. Created by Quicken Loans' founder and chairman, Dan Gilbert, and veteran real estate entrepreneur, Jim Ketai, Bedrock acquires, develops, constructs, leases,

finances and manages commercial and residential properties in the immediate downtown Detroit area.

In just 4 years Bedrock has invested \$1.8 billion in Detroit, owns more than 75 commercial properties including landmark skyscrapers like One Detroit Center, One Woodward and the First National Building representing over 12.5 million sq.ft. of floor space. "We've attracted 130 new businesses to Detroit but have many more tenants who were already here," said Robin Schwartz, Bedrock's public relations director. "The company's success has resulted in the creation of over 6,500 new jobs and Bedrock's buildings house hundreds of businesses and approximately 20,000 team members."

The number of buildings acquired by Bedrock that have been renovated, or are slated for renovation is staggering. They run the gamut from office towers, to residential hi-rises and mid-rises, historic and neoclassical structures, parking garages, lofts and retail spaces. For example, the old Detroit News building, a 404,000 sq.ft. architectural gem built in 1912 and designed by Albert Kahn Associates is undergoing a meticulous renovation. Other historic buildings, some dating back to 1880, have been preserved and updated.

"Bedrock's Madison Building at 1555 Broadway Street, a 1917 theater building which now houses an entrepreneurial hub of high tech businesses, just received "The Outstanding Building of the Year" Award in an international competition by the Building Owners and Managers Association International, in part because of the company's sustainability initiatives," said Schwartz.

During renovation projects and through the course of everyday business, Bedrock recycles tons of cardboard, paper, plastics, batteries, light bulbs and glass. The full-service real estate firm also uses solar lighting on some of its buildings and more energy-efficient induction lighting in all of its parking decks. In addition, smart technology in buildings which have been restored helps the company optimize mechanical, electrical and plumbing systems for energy savings.

It appears that Bedrock has become a prime driver of the renaissance that is helping downtown Detroit attract new residents and business. As a result, the city has drawn a variety of companies from Fortune 500's, like Ally Financial, which will be consolidating its operations and bringing 1,500 employees to downtown Detroit, to new restaurants, bars and entertainment venues providing even more attractions to downtown.



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