



Material Matters

Fall/Winter
Edition #22

Biannual Newsletter from the South Dakota Solid Waste Management Association (SDSWMA)

Annual Conference Highlights

Special Points of Interest:

- Effective January 1, 2006, tipping fees are subject to the 4% state sales tax, plus applicable municipal sales tax.
- Regulatory Update: DENR works toward minimum qualification and experience requirements for environmental consultants working with landfills.
- Advertising is now available on the Association's web page. There is no charge for members and a \$20 per month for non-members. Call 605-216-3256 for info.

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Wow, what a conference! Held at the Cedar Shore Resort in Chamberlain, SD, this year's conference registered over 100 participants. It focused on "Considering the Alternatives".

Fun was had by all with the fishing and golf tournaments. Several items were caught by the fishermen, including a fish (although no one but the fishermen saw it) with prizes awarded as appropriate by the tournament judges (Gary and Larry). Randy Deutsch of Roberts County Landfill continues his reign as the golfer to beat!

Hors d'oeuvres served with the 15 vendors allowed for great networking during the conference kick-off Wednesday evening. Chamberlain's

Mayor, Doug Nelson welcomed all and relived some of his fond memories of garbage. Darlene Eckert of Otter Tail Power Company then enlightened all with the successes Otter Tail Power is experiencing with field research using fly ash to stabilize feedlots and amend soils for structural fill.

Thursday featured H. Lanier Hickman Jr., P.E., D. E.E., member of MSW Management's Editorial Advisory Board and author of five solid waste books including, *American Alchemy: The History of Solid Waste Management in the United States and Principles of Integrated Solid Waste Management*. We flashed back to the past as he showed pictures and discussed the evolution of solid waste handling in the



Lanier Hickman, Jr., P.E., D.E.E., sharing the worldwide state of garbage during his lunch presentation.

United States. Our advances are more easily quantified by looking back. His worldwide discussion of garbage took us touring through third-world countries and emphasized the importance of our commitment to proper solid waste management and the need for control. Lanny exhibited an unbridled passion for garbage only those in the industry can truly appreciate.

(Continued on page 4)

2005 SDSWMA Scholarship Winners

SDSWMA awarded three \$500.00 scholarships this year. Congratulations to the winners of these scholarships: Amber Dresslar of Rapid City, Jay LaBay of Brookings, and Michael Olson of Mitchell.

Amber is attending SDSM&T.

Jay is a student at SDSU and works at Cook's Waste Paper and Recycling in Brookings part-time. Michael is attending USD.

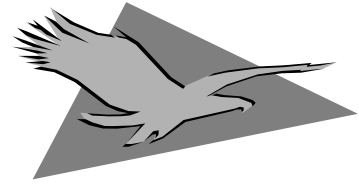
Our Association encourages each of you and wishes you great success.

To learn more about applying for an SDSWMA scholarship, visit our website at

www.sdswwa.org

Deadline March 1st

2005 SDSWMA AWARDS



Ron Olson, Local Champion Award

Ron Olson, City of Mitchell Street and Sanitation Superintendent; Tim McGannon, Director of Public Works; and Carl Koch, City Attorney were three constants over the 15 year period it took to site, get approval, and build South Dakota's newest Landfill near Mitchell.

It took over 80 documented public meetings including many with County Commissioners and City officials from a 7 county area around Mitchell. The first of these meetings was to educate area officials about the then proposed "Sub-title D" rules and what it meant to the Dozen or more landfills in the 7 County Area. More meetings were held to look at alternatives including closing landfills prior to the rules going into effect. Still more meetings to talk about sites for the new landfill. Ron, Tim and Carl successfully lobbied the State Legislature to change legislation allowing Cities and Counties to form Non-Profit "regional landfill" organizations with powers of condemnation and abilities to site cooperative landfills. While the City ended up not using this method, the Southeast Central Solid Waste and Recycling Association did form, hire an engineer, and perform siting tasks in the 7 County Area to find and preliminarily design a new landfill. More meetings were held in the surrounding Counties to talk about the Study. In the mean time, the State passed a new law requiring County Commission Approval for any new landfill in its jurisdiction. After that, we had County Commissioners tell us "there will be no new landfill in our county". That response literally killed the Regional Landfill Association and told Mitchell that if it were going to build a landfill, it would have to be in our own County. A site near Mitchell's Wastewater Lagoons was forwarded for study after

a complete survey of Davison County was performed. This survey included preparing a map of the County with all of the restrictions drawn in. Those restrictions included 1/2 mile radius around wells, homes and 1000 foot buffer to surface water and major highway routes. A soils map was then used to eliminate portions of the county with unsuitable soils. Locations were then ranked based on travel times, soil suitability and nearness to occupied areas. More meetings to forward the proposed site, and still more to get the County and State approvals. In 2005, after a 7-1 vote by the Board of Minerals and Environment, and a 4-1 vote by the County Commission, construction of Mitchell's landfill began. On September 12, 2005 the Landfill opened.

Just a couple extra notes highlighting the commitment of this local champion and his city:

Ron was hired by the City in March of 1991. In the interview for

the job, each of the 6 candidates was asked "Do you know what Sub-Title D is?" Ron (and the rest of the candidates) answered "I have never heard of it". The rest is history.

At one point in the process of trying to get a regional landfill sited in a County which was the Center of the then region, and where the County Commission and nearly every town in that county was a member of the association, the Landfill Association had a meeting in one of the small towns to talk about the proposed site in their county. 200 or more residents of that area showed up, including several County Commissioners. Through the course of events, the County Commission denied ever belonging to the Association, even though they were invited to all of our meeting, passed a resolution to join, and paid dues. By the time the meeting was over, the Commissioners told us there would be no landfill in their county. When we left the meeting to go home, the Consulting Engineers for the Association had the air let out of their

tires. That was not a happy place, but shows the Association's commitment to openness about the process. That county is currently not a part of Mitchell's Client list.



Ron Olson (left) just after receipt of Local Champion Award. Award was presented by Secretary Treasurer, Mike Erickson (right).

Ed Verley, Career Achievement

Ed Verley, Sioux Falls Landfill received the Career Achievement Award. Ed has worked for the Sioux Falls Sanitary Landfill for most of his career, over 28 years. He was part of the Landfill when the City of Sioux Falls moved to its current site west of Sioux Falls in 1979. He has seen the Landfill grow from its past days to where it is now, a landfill which accepts more than 250,000 tons of waste per year. Ed has guided the development of the Sioux Falls Landfill to include an MSW Area, a commercial C&D Area, a public C&D Area, a compost area, a wood waste area, an appliance recycling

area, a tire storage area, a metal recycling area, an electronics recycling area, a cardboard and other recyclables area, a deer/elk carcass disposal area, an asbestos disposal area, and a leachate load out area. Ed has seen it go from a MSW and C&D (Rubble) Landfill to what it is today. He has been very involved in making sure the Landfill has the best equipment available in the industry. Ed is SWANA MOLO certified for several years. He continues to provide invaluable past knowledge of the Sioux



Falls Sanitary Landfill to the current management. Ed is commended for his long and dedicated career in solid waste.



Ed Verley presented with 2005 Career Achievement Award by President Larry McManus.

Fred Doran, Innovation Award

Fred has been active in the solid waste industry for over 20 years. He is a registered professional civil engineer in several states. He has experience in project management, engineering, and hydrogeology for landfills and other contaminated sites. He earned both a Bachelor's (BS) and Master (MS) of Science in civil and environmental engineering from the University of Wisconsin with an emphasis in solid waste, hydrogeology, and wastewater treatment. He manages the design of landfill expansions, closures, the completion of landfill permit applications, and landfill leachate and gas control systems. He is an advocate for leachate recirculation and bioreactors at MSW landfills to expedite waste stabilization

and reduce operating costs, and has been a leading presence due to this advocacy. He has published several papers and has spoken at numerous conferences and conventions, including the Solid Waste Association of North America and the South Dakota Solid Waste Management Association conferences. He has served as a project manager, engineer, or hydrogeologist on several relevant landfill projects in several states across the country. Fred currently is working on a variety of projects for the City of Sioux Falls Sanitary Landfill, with others from RW Beck. These include a Revised Closure and Post-Closure Plan and Per-

mit Modification, a Landfill Gas/Leachate Extraction Project, a Comprehensive Storm Water Plan, as well as future projects, including a Landfill Flare Project, a Leachate Treatment Pond, and a Public Drop-Off Area and Compost Pad Relocation Project.



Jason Chan, City of Sioux Falls Landfill Manager accepting 2005 Innovation award, presented by Secretary/Treasurer Michael Erickson, on behalf of Fred Doran, R. W. Beck who was unable to attend.

(Continued from page 1)

RW Beck Engineers, Susan Jarosch and Matt Evans overviewed the alternative final cover research, and landfill leachate and gas extraction system for the Sioux Falls Landfill. Sioux Falls has voluntarily begun the process of designing and installing the methane gas extraction system in order to deal with large quantities of leachate generated from the unlined inflow landfill.

The war in Iraq came to us through a 200 plus slide presentation by SFC Monte Claussen, 200th Engineer Co. It was almost like being there and the solid waste issues were numerous and appeared to parallel those of Hurricane Katrina. Veterans in the crowd readily realized that waste disposal, especially for the military has not changed much. It still involves a burning barrel!

Rod Ambrosie of Wenck Associates overviewed the value of gas reutilization at the Fargo, ND landfill. He reviewed the design and installation of the gas recovery system including the ongoing partnership with nearby industrial gas user, Cargill. With maximum methane gas production estimated at 700 cubic feet per minute from a field covering existing lined and unlined landfill area, the project had economic viability. Many challenges were encountered including dealing with climate and condensate issues. Likely, the biggest challenges existed in bringing the producer (City of

(Continued on page 9)

So What Is the Cheapest Fuel? Information from the Alternative Fuels Data Center

The Alternative Fuels Data Center is a vast collection of information on alternative fuels and the vehicles that use them. Alternative fuels described here are those defined by the Energy Policy Act of 1992, including biodiesel, electricity, ethanol, hydrogen, natural gas, and propane. This site has more than 3,000 documents in its database, an interactive fuel station mapping system, current listings of available alternative fuel vehicles, and lots of alternative fuels information and related links. For more information from United States Department of Energy, visit <http://www.eere.energy.gov/afdc/resources/pricereport/pdfs/>.

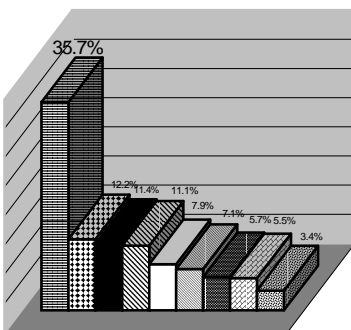
Overall nationwide average prices for conventional and alternative fuels are shown in the table. As this table illustrates, all of the alternative fuels (with the exception of biodiesel) are lower in price than conventional fuels on a per-gallon basis. CNG is about 65 cents less than gasoline on a per gallon basis, while E85 and propane are about 36 cents and 21 cents less per gallon than gasoline. Biodiesel prices for low-level blends are about the same as for regular diesel, and B20 blends are about 10 cents more per gallon than regular diesel. B99/B100 blends (essentially pure biodiesel) have a cost of

Overall Average Fuel Prices, September 2005

Nationwide Average Price for Fuel	Units of Measurement	
Gasoline	\$2.77	per gallon
Diesel	\$2.81	per gallon
CNG	\$2.12	per GGE
Ethanol (E85)	\$2.41	per gallon
Propane	\$2.56	per gallon
Biodiesel (B20)	\$2.91	per gallon
Biodiesel (B2-B5)	\$2.81	per gallon
Biodiesel (B99-B100)	\$3.40	per gallon

2001 Materials Generated in MSW by Weight

Source: U.S. EPA, "Municipal Solid Waste in the U.S.: 2001 Facts and Figures"



- Paper/Paperboard
- Yard Trimmings
- Food
- Plastics
- Metals
- Rubber, Leather & Textiles
- Wood
- Glass
- Other

SDSWMA sponsored an educational video with the City of Sioux Falls Public Works Department. The video was previewed at the annual conference. It is entitled *the Wizard of Oz and the Forest of Recycle*. Any member of SDSWMA may receive a free copy of this video by contacting Tracy Maskewit, Household Hazardous Waste Coordinator, 1015 East Chambers Street Sioux Falls, SD. 57104 **Telephone:** (605) 367-4946 **Fax:** (605) 367-4993 or preview it online at <http://www.siouxfalls.org/PublicWorks/Recycling/wiz.aspx>.

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Exercise Your Brain...

Can you read these right the first time?

- 1) The bandage was wound around the wound.
- 2) The farm was used to produce produce.
- 3) The dump was so full that it had to refuse more refuse.
- 4) We must polish the Polish furniture.
- 5) He could lead if he would get the lead out.
- 6) The soldier decided to desert his dessert in the desert.
- 7) Since there is no time like the present, he thought it was time to present the present.
- 8) A bass was painted on the head of the bass drum.
- 9) When shot at, the dove dove into the bushes.
- 10) I did not object to the object.
- 11) The insurance was invalid for the invalid.
- 12) There was a row among the oarsmen about how to row.
- 13) They were too close to the door to close it.
- 14) The buck does funny things when the does are present.
- 15) A seamstress and a sewer fell down into a sewer line.
- 16) To help with planting, the farmer taught his sow to sow.
- 17) The wind was too strong to wind the sail.
- 18) Upon seeing the tear in the painting I shed a tear.
- 19) I had to subject the subject to a series of tests.
- 20) How can I intimate this to my most intimate friend?

Our Celebrity Members

- Walworth County Commission votes to raise tipping fee from \$24 per ton to \$30 per ton as of January 1, 2006.
- Garbage Goddess, Valerie Keller featured in Pierre's Capitol Journal article on Friday December 30, 2006 is in charge of an operation that begins with the sale of garbage bags that are purchased and filled by the city's residents, to the collection of those bags, to the sorting and baling of the garbage, to its final interment at the city's landfill. Toss in the annual paint exchange, management of construction debris, the summer collection of yard waste and supervision of the compost stock and that only begins to cover Keller's job, an occupation she said is different every day.
- The City of Rapid City received the 2005 SWANA Excellence Award for its MSW Co composting Project. The award was presented to the City of Rapid City on Thursday, September 29, 2005 in Austin, Texas. Jerry Wright, City of Rapid City and Dallas Wasserburger, Alliance of Architects and Engineers of Rapid City accepted the award. Way to go Jerry Wright and staff!!
- Dale Fortin and the City of Huron are the proud owners of a bouncing baby? Scarab. This \$290,000.00 piece of composting equipment used to turn and aerate compost windrows will continue to improve the products Huron's Composting facility is producing and selling. Half of the funding for the Scarab was provided by DENR through their Solid Waste Grant Program.
- **Dangers of Litter:** On April 26, 2005 @ 8:00 p.m. Brown County Landfill had a plastic bag supposedly leave the landfill in the airborne state. As the bag traveled south it landed on the head of a horse belonging to the landfill's neighbor to the south. As the horse turned, the bag was removed from his head but at this point he was in a spooked state, tripped, fell & broke his front shoulder. Needless to say, the horse had to be put down the next day. The horse was valued @ \$1,500 and the claim has been turned over to Brown County's insurance company. Mike Scott, Brown County Landfill Manager thinks this may be a first. It most likely is for the insurance company. Can you see the headline, "Horse Dies as Result of Spooky Encounter with Landfill Litter"?



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The President's Point of View

Greetings Everyone:

It doesn't seem possible but another year has come to an end. You know what they say "The older you get the faster time flies." I believe they are right. It seems like only a few days ago that we were all meeting in Mitchell, Bob Wilcox announced his resignation, Carolyn Troutman was agreeing to be the new Executive Director, and Larry McMannus was taking on the responsibilities President of the Association. I was just settling into the role of President Elect when it happened: The annual conference was held in Oacoma and the membership provided me the opportunity of taking on the role of Association President.

The first thing that I must do is commend all the work, activities, and efforts that went into the last year. Larry, Carolyn, and the rest of the board did an outstanding job of putting together interesting and timely subjects for not only the Spring Conference in Aberdeen in April but for the annual meeting in September as well. If you missed either, you should be sorry. Both were excellent opportunities to learn more about solid waste management, recycling, personal achievement, and to look into the future. Both conferences in my opinion were the best we have had so far as an association. So if you have a chance to see any of the board members, Larry, or Carolyn be sure to let them know that the work is appreciated.

Unfortunately, this really puts on the pressure for the upcoming year. Fortunately, I hope to continue to receive excellent help from all those that helped make the past year such a success. We are already off to a great start with the Spring Conference scheduled for April 11-13, 2006 in Huron. Dale Fortin is heading up efforts to bring anyone that has any composting operations or is even thinking about starting this type of operation up to speed on the latest developments. Huron has graciously agreed to host this year's Spring conference and the main agenda topic will be composting operations and advances. It is sure to be both enlightening and extremely educational so register early to make sure you have a seat at the table. I hope to see you all there.

Finally, as we continue into this year please take the opportunity to renew your interest in the association and all the advantages we can bring to you. The board and I are always interested in hearing your points of view and learning what training, information, or assistance we can provide. Take the time this year to learn who is on the Association board, contact them, or at a minimum review the Solid Waste Management Association web site (www.sdswwa.org) and learn what activities and opportunities we have available. If there is anything that we can do for you, please do not hesitate to contact Carolyn or myself.

I hope everyone has a great year as we all continue to advance the goals of the association and the Solid Waste/Recycling industry as a whole.

David Ryan, President
SDSWMA

Fiber Marketing

By Mark Heieren, Recovered Materials Management

The past few months has seen a relatively dramatic turnaround for the fiber recycling markets. Grades such as OCC have been especially hard hit with current pricing being halved from the previous years' values.

What's up?... perhaps no single factor is responsible for the down turn. The reduction of manufacturing and consumer packaging along with alternative packaging options (i.e. plastics) have impacted the overall demand. The export market, mill "running" conditions, and transportation costs also have had its negative effects.

For South Dakota recyclers, the dramatic rise in transportation costs will have the most lasting repercussions. For the end-users, the cost of the material, plus the costs of getting it to their facility comprise the purchase price. With the combination of distance, carrier cost per mile, and the weight of the load; the transportation cost adds significantly to the total cost per ton. (400 miles to the mill X \$1.65 per transportation mile divided by 22 ton load = +\$30.00 per ton freight costs)

Rather than eliminate receiving material from the high transportation cost generators, the end-users have taken steps to cap their expenses. They have taken the approach that the transportation costs must be shared... the recycler is now responsible for a portion of these cost. Rather than charge back transportation, they have simply reduced the material's value.

The transportation assessment when combined with market value has resulted in precipitous price drop. Although the financial impact remains unchanged, had they occurred separately, the impact would not have appeared so dramatic. Unfortunately, it appears that there is no turning back. The positive aspect is that the end-users seem to have been persuaded to not abandon this geographic sector... a "repayment" for South Dakota's quality material and their historic loyalty.

Comments or questions can be directed to Mark Heieren at Recovered Materials Management. (952-891-8565 or mark@recoveredmaterialsmanagement.com)

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GARBAGE TRUCK FACTS:

- An estimated **136,000 garbage trucks, 12,000 transfer vehicles, and 31,000 dedicated recycling vehicles** haul away America's garbage (179,000 vehicles in total).
- Two-thirds of the estimated **700 natural gas garbage trucks in operation** in the US operate on liquid natural gas, while the rest use compressed natural gas.
- An average garbage truck **travels 25,000 miles annually**, gets less than **3 miles per gallon**, and **uses approximately 8,600 gallons of fuel each year**.
- Over 40% of garbage trucks are over 10 years old, making it the **oldest fleet in the US**.
- The average diesel-powered garbage truck costs over **\$170,000** and is not retired for 12 years.
- **Over 27,000 organizations** in the waste industry employ over **280,000 people**.
- **82% of collection services** are carried out by **private companies**, and **18% by public entities**.
- **Industry revenues for 2000**, including waste hauling and recycling, exceeded **\$43 billion**.

Information obtained from the INFORM website. INFORM is an independent, nonprofit organization that conducts research aimed at practical solutions to complex environmental and health-related problems throughout this country and the world. <http://www.informinc.org>

(Continued from page 4)

Fargo) and the industrial user (Cargill) together to solve issues such as odor; public acceptance of the landfill; and quantity, quality, pressure and moisture content of produced gas. Overall, positive benefits of increased revenue for the City and reduced fuel expenses for Cargill drove the project driving home the point that landfill gas to energy projects are a win/win for all parties.

Tri-County graciously hosted a tour of their Type IIB Landfill Facility. The tour was all encompassing including the working face, surface water controls, litter controls, leachate pond, sedimentation pond, shelter belt, cover crops, scale house, equipment and staff. Thank you Larry and staff! Keep up the good work!

Friday featured Andy Acho, Worldwide Director of Outreach and Strategy for Ford Motor Company. Andy enlightened all with Ford's true commitment to the environment worldwide. He highlighted many of Ford's initiatives from Total Waste Management to sustainable manufacturing and greener manufacturing. Ford doesn't just pay lip service to the environment. From using landfill gas to fuel boilers at assembly plants in Michigan, to development of the Model U car made of materials that are safe to produce, use and recycle over and over, to recycling all tires from Ford vehicles into crumb rubber for athletic and therapeutic arenas, to dramatically reconstructing their Dearborn Michigan Plant with a living roof, grass swales, porous paving, and renewable energy sources such as solar and fuel cells, to phasing out chrome based paints, mercury switches, PCB transformers, to installing dry (operated without lubricating oil) machines, to developing a bioreactor system to destroy paint VOC's, Ford is making a difference! Since 2000 Ford has offered \$1,240,000.00 in conservation and environmental grants in over 50 participating countries. Ford is setting the pace and making recycling and responsible waste management work. Learn more at www.savethemustangs.org.

Tim Kenyon, SDSWMA president-elect and Leggette, Brashears and Graham, Inc. President, overviewed the new SDDENR approved trend analysis approach to reviewing groundwater monitoring results for statistically significance increases. Using real data

(Continued on page 12)



Our Executive Director Carolyn Trautman receiving the most coveted award offered by SDSWMA, *The Pinch of Seagull Shit Award*. Ron Olson, SDSWMA Past-President and City of Mitchell Streets and Sanitation Superintendent and Bob McGrath, Sheep Farmer and Solid Waste Manager, City of Brookings presented the award with a brief dialogue that went something like this: Many nominations were received for this award, but this nominee seemed to really stand out, floated to the top, like the cream in a milk can. This nominee left a perfectly good job taking a large pay cut, left the South Dakota banana belt and moved to the coldest place on earth, and to top it all off, she married a garbage man!"

Thanks guys...you are so...thoughtful?

While I have your attention here, I'd like to thank the board and membership for bearing with me during my adjustment into this position as Executive Director for SDSWMA. I am learning many new skills that I didn't learn during my four years at SDSM&T, or during my 3 months working in an environmental laboratory, or during my 3 1/2 years working in the open pit gold mines of the Black Hills. Now, my 3 1/2 years working as a permitting engineer for SD DENR Waste Management Program did relate, as did my 7 years as landfill superintendent for the City of Rapid City (during which time I served as a board member and officer of SDSWMA), and my year and a half working for the Rapid City Engineering Department on stormwater, wastewater, drinking water, compost,

(Continued on page 12)

As of January 1, 2006: The collection and disposal of solid waste is subject to the state and city sales tax if the garbage is picked up inside city limits.

See tax facts for additional information – www.state.sd.us/drr/publicat.htm or call 1-800-TAX-9188

Plastic Film Recycling

By Stacey Silver, NextLife Recycling

Reusing plastic for new products results in significant cost savings for both manufacturers and consumers.

Plastic and plastic recycling. It's a hot topic and one that continues to draw interest from both consumers and environmental legislators. Over the past 15 years, the plastic film and bag industry has grown at a significant rate—producing billions of pounds of grocery and retail bags, stretch wrap and other film scrap each year. And although recycling is not a new concept for paper, cardboard and plastic bottles, it has yet to be embraced for the plastic film industry.

In fact, while recycling recovery rates for paper, cardboard and plastic bottles continues to rise, the recovery rate for plastic film has reached only 5% at best estimates. Enter NextLife Recycling.

NextLife is a plastic film and bag recycling company focused on developing post-consumer programs for municipal and commercial markets. NextLife recycles millions of pounds of post-consumer plastic film each year, recovered from nearly every state and province throughout North America. Recovered plastics are converted into 100% recycled-grade resins at their recycling facilities located in Tennessee and Michigan.

The post-consumer recycled (PCR) resins are used to make many durable products for industries including household consumer goods, automotive, agriculture, packaging, building, construction and others. By manufacturing 100% PCR resins, NextLife provides durable goods manufacturers with the recycled-content resins they need to meet emerging legislative pressure to use more recycled content in their products. For the film and bag recycling industry, NextLife's approach ensures a more diverse, long-term and consistent recycling environment for plastic film.

CENTRAL STATES WIRE PRODUCTS

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“Our core business is transforming post-consumer film scrap into new, high-quality PCR resins and new 100% recycled-content products, which are recyclable over and over again,” says Daniel Schrage, President of NextLife Recycling. “Our goal is to help the film and bag industry by increasing the amount of film being recovered and recycled today.”

For more information on film plastic recycling, contact Stacey Silver, Marketing Communications, Sun Valley Worldwide/NextLife Recycling, 1801 S. Federal Highway, Suite 305, Delray Beach, FL 33483, Toll Free: 866-458-8555, Office: 561-330-8520, x210 Mobile: 301-802-1454, Fax: 561-330-8519, www.nextlife-recycle.com.

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Did you know... Fuel Surcharge

Due to the current high cost of fuel, many retailers are adding a "fuel surcharge" to the customer's invoice. If the fuel surcharge is an additional delivery or transportation charge for taxable goods or services, it is subject to sales tax. If the goods or services are exempt from tax, then the delivery charge and fuel surcharge are exempt from tax.

SD Tax Information

Motor Vehicles Extended Service Contracts

If a service contract or warranty becomes part of the purchase price of a vehicle, it is subject to the 3% motor vehicle excise tax. If the service contract or warranty cost is not included in the purchase price, it is subject to sales or use tax. When a vehicle is sold to an out-of-state resident and it is the practice of your dealership to include the cost of the service contract or warranty in the purchase price, it will continue to be included in the purchase price and consequently not subject to sales or use tax. If it is the practice of your dealership to assess sales or use tax on all service and warranty contracts and to not include these costs in the purchase price of the vehicle, the service contract or warranty (whether sold in state or out-of-state) is subject to sales or use tax.



Wastech, Inc. Announces Patent Filings For Revolutionary New Garbage Truck
1/3/2006 Charleston, SC — Wastech, Inc. has announced the filing of two waste-related patents with the United States Patent and Trademark Office (USPTO). The pending pat-



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ents are filed with the USPTO as "Refuse Loader," Serial Number 10/956,488 and "System and Method For Refuse Routing," Serial Number 10/979,878. The patents surround an entirely new debris collection and transportation system, incorporating the Company's specialized container system (hereinafter, the "Wastech System").

Pursuant to agreements associated with the Company's restructuring last March, Mr. Richard D. Tuorto, Sr., Wastech's CEO, assigned the invention to a Company affiliate, New Waste, Inc., however retaining all rights and privileges to license the Wastech System for its own benefit and on behalf of itself. Over the next few months the Company plans such a pilot and proof of concept initiative, as the garbage truck is currently being manufactured with engineering oversight, and plans of a residential, collection route immediately upon completion.

In general, the new collection system utilizes a typical, packer-based, refuse (garbage) truck that collects debris from residential and commercial customers, yet engineered and modified internally with Wastech's specialized containers for more efficient collection, transportation and ultimate disposal.

The Wastech System thereby eliminates the necessity of immediate landfill disposal once the truck is full; specialized containers may simply be exchanged with empty one's while the full containers are stored for future short or long haul transportation and disposal.

Additional benefits, and cost-savings as the case may be, such as decreased wear and tear on the garbage truck, as well as reduced labor, fuel, and disposal costs, are a natural result from this revolutionary new system.

Wastech plans to have both patents-pending available on its website soon, however original filed copies will be made available in the upcoming days on its affiliate's site at Environmental Energy Services, Inc.

SOURCE: Wastech, Inc.

Border Issues Seminars

Border Issues Seminars cover the difference in the tax application and reporting process between South Dakota and bordering states. Sales Tax is from 9:00am - 12:00pm and Contractors' Excise Tax is from 1:00pm - 4:00pm, unless otherwise noted in March and April. For more information visit www.state.sd.us/drr.

How can your company benefit from the Resourceful Waste Management Guide? This step-by-step approach can save you money. Check out <http://www.greenguardian.com/business/> for savings across the workplace. From trimming waste disposal bills to reducing regulatory concerns, this guide will help you focus on minimizing costs and improving profits.

South Dakota Municipal League 2006 Statement of Policy supports the continued training and certification of landfill operators.

For more information visit

<http://www.sdmunicipalleague.org>

International and National Materials Exchanges

<http://www.epa.gov/jtr/comm/exchnat.htm>

(Continued from page 9)

and analysis from landfills in South Dakota, Tim demonstrated the process. Discussion ensued with attending state officials concurring with his methodology.

A panel discussion followed lunch. Andy Acho and Lanier Hickman proved to go above and beyond expectations discussing issues from alternative fuel vehicles to the global economic and environmental effects of fuel, recycling, waste, and global warming on the future. Both gentlemen even gave their advice to the growing ethanol industry in South Dakota. Being well traveled and in touch internationally, both panel participants provided a holistic perspective. Thank you Lanny and Andy!

The conference wrapped up with Roy Lantz's "Secrets of the South Dakota Garbage Gods," tips on providing excellent customer service. Roy, a professional customer service consultant, trainer and author, reminded everyone of the importance of customers to the success of any business or industry. Interestingly enough, Roy was already seasoned into the world of garbage through his wife's years of employment in the industry and Keep America Beautiful involvement. Roy reminded us that customer service is an attitude. To keep customers we must understand their needs, set goals for meeting their needs, and never forget that a complaint is a good thing. A complaint provides us with the opportunity to improve and WOW our customer. Practice makes perfect! If you missed the conference and want to experience Roy first hand, check out one of his books, The Care and Keeping of Customers and Never Beat the Boss at Horseshoes...

Thanks to all who sponsored, organized, entertained and attended the 2005 Annual Conference at the Cedar Shore Resort in Chamberlain, South Dakota. Success is gained through cooperative action!

A special thanks goes to all who contributed items for the SDSWMA scholarship auction. Everyone's generous bidding amounted to an \$858.00 contribution to the Scholarship Fund.

***Mark your calendars
now for next year's
annual conference in***

**"Nothing great was ever
achieved without enthusiasm."**

Ralph Waldo Emerson

SPCC, and air quality projects.

My technical experience ties in nicely with the industry, so my adjustment has mainly occurred in learning secretarial skills and new software to keep our new website updated, produce newsletters, manage the associations corporate books, and track membership. My kudos go to Bob Wilcox, our former Executive Director for all he accomplished for the SDSWMA. Thank you Bob!

I feel the association is again at a turning point in our existence. We must produce quality conferences and seminars. We must work cooperatively with fellow organizations to bring additional, higher end training into our states. We must work together in reaching out and recruiting potential members in private industry, public office, special groups, and from solid waste suppliers and consultants. Above all, we must have fun! When professionals can come together to learn and network, and leave with knowledge and ideas, looking forward to their next learning experience with us, we have accomplished much of our purpose.

On the professional side, I am committed to making sure all conferences provide CEU's for SWANA certifications and PDH's for professional engineers.

I encourage everyone reading this newsletter to contact me at sdsolidwaste@yahoo.com with your conference ideas and training needs. Tell us what we can do for you...

Carolyn

**"There go the people.
I must follow them for I am their leader."**

Alexandre Ledru-Rollin

**The SDSWMA office has moved to
Aberdeen!**

Please check your records and make sure your contact information for our office is updated:

**SD Solid Waste Management Association
PO Box 978**

Aberdeen, SD 57401-0978

Phone: 605-216-3256 Fax: 605-225-1619

Email: sdsolidwaste@yahoo.com

Website: www.sdswwa.org

Member Notes and News:

- Tyler Keith Wilcox, 19, lost a courageous battle with cancer, November 21, 2005 surrounded by family and friends at home. Tyler, son of Bob and Jeri Wilcox, was laid to rest on Friday, November 25, 2005 at 10:00 am at Scotty Philip Cemetery, Fort Pierre, SD. The "Tyler Wilcox Memorial Fund" has been established to benefit South Dakota Make-A-Wish, Stanley County Coaches Association and pediatric cancer research. Gifts may be sent to the American State Bank, Pierre, SD. Bob and Jeri noted in a letter to SDSWMA, "*We are proud of Tyler's fight. He displayed such depth of character.*"
- We welcome the newest voting member of SDSWMA, **Sand Lake Tree, LLC., Andrew Murray, 11698 395th Avenue, Columbia, SD 57433 Phone: 605-396-2431 Fax: 605-396-2463 Email: treeguy@nvc.net.** Sand Lake Tree LLC is a full service tree company specializing in tree removal and disposal with plans for expansion into the woodchip and alternative fuel markets. Andrew is interested in making contact with wood waste suppliers within the state and surrounding area. Contact Andrew for more information.

Regulatory Update

South Dakota DENR Waste Management Program Administrator Vonni Kallemeyn reported at the November Board meeting that by getting more sophisticated in statistics, the program is looking at VOC's in a number of landfills to hone in on details of monitoring for alternative parameters, using indicators of oxygen demand. She also stated that the department is reviewing qualifications of environmental consultants more closely. She expressed the need for landfills to use qualified individuals for jobs. The department is working toward establishing some minimum qualification and experience standards.

Join SDSWMA now!

Log on to www.sdswwa.org click on membership on using the top menu bar then click on the membership application link at the end of the Benefits of Membership section. Complete application and mail!

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Carolyn Trautman

SDSWMA, PO Box 978, Aberdeen, SD 57401

Phone: 605-216-3256 Fax: 605-225-1619

Email: sdsolidwaste@yahoo.com

SDSWMA now has a website!

Please visit our new website at www.sdswwa.org to learn more about SDSWMA, find out some new tips or ideas, apply for a scholarship, obtain conference information and registration forms, check our calendar, obtain member contact information, get copies of old newsletters, obtain meeting minutes and agendas. If you have suggestions, are interested in advertising or being linked to our website, contact our Executive Director.

SDSWMA 2006-07 Calendar

Dec/Jan 05-06	Fall Newsletter Mailing
Dec/Jan 05-06	Annual Membership Directory Mailing
Feb 8, 2006	SDSWMA Board Meeting , 11:00 am Pierre, Joe Foss Bldg.
April 11-13, 2006	Spring Conference, Huron, SD - Basic to Advanced Composting
May/June 2006	Spring Newsletter Mailing - Submittal Deadline April 30, 2006
June 14, 2006	SDSWMA Board Meeting , 11:00 am Chamberlain, Location TBA
Sept 12, 2006	SDSWMA Board Meeting evening before conference, Pierre
Sept 12-15, 2006	Annual Conference and Trade Show, Pierre, SD Annual Membership Meetings
Sept 2007	Annual Conference and Trade Show, Sioux Falls, SD

This calendar is also available on the website at www.sdswwa.org. Web page is updated monthly.

"Material Matters" is prepared by the staff and members of SDSWMA. The "Material Matters" is published on a semi-annual basis. Subscriptions are available upon request by writing to "Material Matters", South Dakota Solid Waste Management Association, PO Box 978, Aberdeen, SD 57401, by calling (605) 216-3256, or by emailing sdsolidwaste@yahoo.com.

Should you desire to have articles or material published in the "Material Matters", send it or email it to the SDSWMA office, Attention Carolyn Trautman—Executive Director.

Submittal deadlines are:

Spring/Summer Newsletter—April 30

Fall/Winter Newsletter—October 31.

Advertising is available in the "Material Matters". Prices are as follows: 2x3.5 Business Card—\$60.00/year, 2x4—\$68.00/year, 3x3—\$78.00/year, 4x4—\$135.00/year, 5.5x8—\$350.00/year, and 8x11—\$625.00/year. For more information contact Carolyn Trautman, Executive Director or forward your ad with payment to Attention: Newsletter Advertising, SDSWMA, PO Box 978, Aberdeen, SD 57401.

Email is faster than mail.

If you are interested in receiving the newsletter electronically, contact Carolyn Trautman at sdsolidwaste@yahoo.com.

Please include the email address where you want the electronic copy sent.

Did you know?

There is no legal requirement in SD or federal law for employers to provide employees with any specific meal or coffee breaks. It is up to the employer to decide if they will allow breaks including when, where, and how long. Any break given that is less than 30 continuous minutes must be paid. If the break or meal period is 30 continuous minutes or longer, the employer is not required to pay for the time.

Spring Conference Highlights

The spring conference will be held in Huron, SD, April 11-13, 2006. It promises to be a learning event for both beginning and seasoned compost facility operators. It will feature equipment displays including all aspects of the process from grinding to turning to screening and application.

Huron's composting facility will be showcased with an on-site tour and discussion of compost usage, the physical process, energy reuse, and you won't want to miss *the packing peanut experiment!*

The first day of the conference will be dedicated to assisting with composting issues arising within the state. If you are interested in developing a composting facility for your community, this day is for you featuring the fundamentals of composting organics.

The second day will focus on more advanced composting issues. It will include sessions on using compost to meet new stormwater regulations, dealing with odor issues, and compost marketing.

Case studies will demonstrate reclamation of disturbed areas and replacement of standard erosion control methods using compost. **All attendees who operate compost facilities are asked to bring a 5-10 minute video, slide, or DVD presentation of your facility and join our "virtual tour" session.**



The Huron, SD Event Center will host our Spring Conference. Watch your mail for registration information!

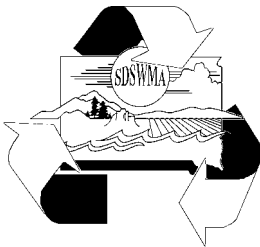
Wondering about testing and marketing? Wanting to learn more? Join us for a panel discussion on standardized testing. Listen to what experts in the field of compost and soils analysis have to say. Since testing and marketing go hand in hand, learn about building and sustaining markets for your compost products. Speakers who are presently marketing compost and compost blends will share their insight.

Watch your mailboxes! Spring conference brochures/registration forms will be mailed early in February.

We're on the web!!
www.sdswwa.org

SD SOLID WASTE MANAGEMENT ASSOCIATION

PO Box 978
Aberdeen, SD 57401



Promoting Environmentally Sound Solid Waste Management

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