



Environmental Protection Matters

DNREC Office of Environmental Protection

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Universal Recycling — New Milestone Ahead

The next universal recycling milestone is just around the corner -- Jan. 1, 2013. That's the date when waste haulers will provide single stream recycling collection services to multi-family residential customers.

The last remaining milestone will be Jan. 1, 2014, when commercial businesses will also participate in the program. With this final step, Delaware will join the recovery revolution sweeping the nation with a fully-implemented universal recycling program!

Providing recycling service to every resident and business in Delaware is the final step of the collaborative process that culminated in Delaware's comprehensive universal recycling legislation and successful program.

Earlier this year, DNREC funded just under \$325,000 to assist recycling programs, with a priority on multi-family household recycling. Recycling grants were awarded in the spring of 2012 to assist the following: Rehoboth Beach, City of Newark, Burns & McBride,

(Continued on page 2)



C. Hartman-Thompson, SHWMS

Single stream recycling collection service is currently available at Delaware State University dormitories.

Universal Recycling — New Milestone Ahead *Continued...*

Harjoco, Lutheran Senior Services Inc., Econo-Haul, Wilmington Housing Authority and the Delaware Restaurant Association. Some of the grants also helped fill implementation gaps for local waste haulers and residential recycling programs.

Single family homes with trash service are currently receiving recycling service, as are most restaurants and bars. Single stream recycling, which allows all recyclables to be tossed together into one container for pickup, has made recycling easier than ever before. The recycling tag line – Delaware Recycles - It's second nature – has come true. It really is second nature for most families!

Single stream recycling not only makes recycling more convenient to the consumer, it makes recycling collection much more efficient for the hauler. The success of the program is easy to see with recycling participation numbers up and increasing quarterly.

The new Blue River Resources materials recovery facility is now in operation to handle the increased volume, and ReCommunity's state-of-the-art recycling facility will be opening in 2013 (see pgs. 5 and 6). This will help keep the majority of Delaware's recycling business and the associated jobs in-state.

With such an enthusiastic response to curbside recycling services, municipalities and waste



Baled household plastics at the new Blue River Resources materials recovery facility in Wilmington. Each bale weighs close to one ton.

haulers are already reporting significant reductions in trash going to the state's three landfills. The diversion of waste from landfills is a key economic and environmental goal of universal recycling.

The numbers just confirm what most people already know — that reducing waste reduces consumption of our natural resources, generates new businesses and job opportunities, and keeps waste disposal costs down — all helping to preserve Delaware's precious natural resources for generations to come.

For more information on recycling in Delaware, please visit: www.recycling.delaware.gov, or check the new recycling guide now available at: http://portal.delaware.gov/recycling/downloads/recyclebookMarch21_2012.pdf.

Or, visit our new Facebook page and like us!

www.facebook.com/delawarerecycles

Article by W. Miller and C. Hartman-Thompson, SHWMS

Scrap Tires: Reaching New Heights

Load 95 tons and what do you get? DNREC's largest scrap tire recycling event to date!

Delaware's Scrap Tire Management Program reached new heights last April at the Delaware State Fairgrounds. Approximately 7,600 scrap tires were collected and piled into 21 roll-off containers, making it by far DNREC's most successful recycling event to date.

That's a whole lot of rubber not hitting the road anymore! Or, nearly 100 tons of worn-out tires that could have ended up in a mosquito-infested heap in a neighborhood, or taking up valuable space in state landfills.

The April 21 event provided Delaware residents with an opportunity to recycle scrap tires free of charge, thereby helping to reduce the environmental and health hazards associated with piles of scrap tires in our communities.

Delaware residents may bring in up to 10 passenger vehicle or light truck tires for recycling at each scrap tire drop-off day. Since the state's first drop-off day in 2008, the nine events staged by DNREC have yielded approximately 300 tons of tires for recycling.

Delaware produces over 750,000 scrap tires a year. Delaware's Scrap Tire Management Program was created to eliminate large, unsightly scrap tire piles that can contribute to dangerous fires producing toxic smoke and oily liquid runoff. The runoff can pollute Delaware's surface water and groundwater resources. In addition, tire piles provide ideal breeding grounds for mosquitoes, which can carry the West Nile virus.

The Delaware Scrap Tire Management Program

is funded by a fee of \$2 per tire on the sale of new tires in the state. The fee is diverted to the Scrap Tire Management Fund, a matching fund and program that was created to clean up scrap tire piles statewide.

Old or used tires can be shredded or turned into "crumbs" to be reused as additives for playground and road asphalt. Pulverized tire chips can become rubber flooring for equestrian and canine training centers. The shredded rubber can also be burned at high temperatures for energy sources with reduced air pollution.



Recycled scrap tires collected at the event last April. Staff Photo

Residents from each of Delaware's three counties have enthusiastically responded to DNREC's recycling program by turning up with tons of old tires for recycling. The next free scrap tire drop-off event is scheduled for spring 2013, also at the Delaware State Fairgrounds.

For more information on the program and future scrap tire drop-off events, please visit DNREC's website, www.awm.delaware.gov/Info/Pages/ScrapTire.aspx, or contact the Scrap Tire Management Program at 302-739-9403.

From DNREC Press Release 5/24/2012

The New MRFs in Town

Have you heard? There's a recovery revolution happening here in Delaware. It's all about recycling, rebuilding and rethinking the road to a new sustainable world with zero waste.

Along the way, there are some amazing companies combining vision with innovation and technology to create a commodity from what was once a waste. Alchemy, you say? No, just a whole lot of determination to recover resources from materials that traditionally would have been landfilled.

With names like Blue River Resources, LLC and ReCommunity, you know they are on the right track, and DNREC's Solid and Hazardous Waste Management Section is happy to support their recycling efforts.

Blue River Resources Say hello to the first full-service, permitted MRF in the First State! A MRF is a materials recovery facility, and while we once had none, now there are two new MRFs bringing green jobs to Delaware.

DNREC's Solid and Hazardous Waste Management Section issued a solid waste resource recovery permit to Blue River Resources in March 2012. The permit allows Blue River Resources to separate and aggregate single-stream recyclables primarily collected from the New Castle County area. In addition, the company may take recyclables from neighboring states including Pennsylvania, Maryland, and New Jersey.

Blue River Resources is one of several recy-

cling facilities in South Wilmington and across the state that have turned Delaware's universal recycling law into a new business opportunity.

Delaware is reaping the benefits of private investment in the recycling business, thanks to the State Universal Recycling Law. The law was championed by Governor Markell and so many dedicated others, who worked tirelessly with the Recycling Public Advisory Council and DNREC.

As an added bonus, Blue River Resources located their new facility at a brownfields site, redeveloping a former tire recycling center on Heald Street in South Wilmington.



A Wilmington recyclables collection truck unloads recycling materials for processing at the new Blue River Resources facility.

The new facility will sort, separate and bale recyclables, then ship the materials to buyers and processors. The facility is permitted to accept up to 4,500 tons per week of recyclables, creating up to 40 new jobs in the process. For more information on Blue River Resources, please visit:

<http://www.blueriverresource.com/>

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The New MRFs in Town *Continued...*

ReCommunity Wastes Not

There's another MRF in town that is opening a new state-of-the-art facility in 2013: ReCommunity.

The Delaware Solid Waste Authority (DSWA) signed an agreement in 2012 with ReCommunity of Charlotte, North Carolina, to repurpose a portion of DSWA's Delaware Recycling Center for the new MRF.



C. Wirtz, WHS

The Delaware Recycling Center is a green complex for DSWA's new partners in recycling, ReCommunity and Revolution Recovery (p. 6), in New Castle, Delaware.

Previously, DSWA would send the recyclable materials collected in Delaware to MRFs in Maryland, New Jersey and Pennsylvania. Now the materials will be reclaimed here in Delaware, along with the associated 80 new jobs.

According to their website, their previous operations include some impressive statistics like greenhouse gas emissions reduced by 5.3 million metric tons, or the equivalent of a million fewer cars on the road. Or, landfill space reduced by 2.6 million cubic yards. That's over 520,000 truckloads of waste!

Once DSWA's 64,000 square foot building is re-developed into the new automated recycling facility, the sorting will begin.

ReCommunity's current location at DSWA's Delaware Recycling Center. ReCommunity plans to move to a larger building within the center.

Materials will be sorted by commodity (metals, glass, paper, etc.) and then baled for shipment to companies that will convert the materials into new products. For more information on ReCommunity, please visit:

www.ReCommunity.com

This is the new mindset that leads to socioeconomic and environmental empowerment — a recovery revolution — all from what was once a waste.

For more information on recycling in Delaware, please visit: www.recycling.delaware.gov, or check the new recycling guide now available at: http://portal.delaware.gov/recycling/downloads/recyclebookMarch21_2012.pdf.

Or, follow us on our new Facebook page: www.facebook.com/delawarerecycles

Article by C. Wirtz, WHS

Sustainable Materials Management

What others call a waste, Revolution Recovery, LLC calls a wasted opportunity. Based in North Philly, Revolution Recovery opened their new 42,000 square foot construction and demolition waste recycling facility at DSWA's Delaware Recycling Center in April 2012. They also brought 20 new green jobs with them.



C. Wirtz, WHS

Revolution Recovery's operations include wood scrap recovery.

They may have started as two guys picking construction debris from dumpsters in Philadelphia, but they are now a successful company with multistate operations, dedicated to sustainable materials management.

According to the USEPA's 2009 report, *Sustainable Materials Management: The Road Ahead*, the use of goods and materials in the U.S. is large and still increasing. This affects many aspects of our future — the economy, energy use and our climate. The 2009 report recommends that the USEPA and states better manage goods and materials on a life-cycle basis and reuse materials to create a green, resilient economy.

Revolution Recovery believes it is already firmly on that sustainable road. The company offers a range of recycling services for construction and demolition materials, with a mission to keep those materials out of landfills, according to their website.

Their philosophy is one of corporate social responsibility and "incorporating the three P's of sustainability – people, profit, and planet – in everything that [they] do."

In addition, their website indicates that they are committed to providing sustainable services at costs less than traditional disposal in landfills. They have customized their services by providing recycling service and dumpster rentals directly to project sites, as well as letting customers drop off materials at the recycling center. And in keeping with their community-oriented philosophy, they also donate materials to nonprofits and allow artists to cherry pick their storage lots for materials—for free as part of their Recycled Artist-in-Residency Program.

Like the other new recycling guys on the block, recycling is much more than just collecting and processing materials. It's about saving resources, while creating new jobs and stronger communities in Delaware. As they say in the recovery business, "It's about our future. Please don't throw it away."

For more information on Revolution Recovery's operations in Delaware, please visit:

<http://revolutionrecovery.com/de/index.html>

From Revolution Recovery Website and C. Wirtz, WHS

It's Your Right-To-Know

Community Right-To-Know

State Emergency Response Commission (SERC) is comprised of representatives from various state and local government organizations and industry. The purpose of the SERC is to enhance emergency response and preparedness capabilities through better coordination and planning. The SERC also appoints and oversees the LEPCs. SERC meetings are held quarterly, the second Wednesday of March, June, September, and December. Contact (302) 659-2253 for meeting location and additional information.



Local Emergency Planning Committees (LEPCs) Have been appointed for New Castle County, Kent County, Sussex County & the City of Wilmington. The LEPCs prepare emergency response plans and offer a forum for involvement at the local level. Members of the public may contact their LEPC during normal working hours.

EPCRA Reporting Program Under EPCRA, certain businesses are required to report on chemicals used, stored and/or released. This information is collected by the EPCRA Reporting Program and distributed to emergency planners & responders throughout the State. Members from the public who wish to review Material Safety Data Sheets (MSDS) or MSDS lists, inventory forms or follow up emergency notices may send a written request to: DNREC Division of Waste Management, Attn: FOIA Request Processor, 89 Kings Hwy., Dover, DE 19901 or call (302) 739-9405. The office is open Monday through Friday 8:00am to 4:30pm, excluding holidays.

Risk Management Program: Owners and operators of facilities that use or store certain regulated hazardous materials must implement a Risk Management Program and submit a Risk Management Plan under the Clean Air Act Section 112(r)7 and Title 7, Chapter 77 of Delaware Code. More information may be obtained by visiting our webpage at: <http://www.awm.delaware.gov/EPR/Pages/AccidentalReleasePrevention.aspx>. Information concerning Risk Management Plans may be obtained by contacting the Accidental Release Prevention Group at (302) 323-4542.



Interested citizens are encouraged to attend all meetings. Contact your local LEPC or SERC for meeting information.

Visit the State of Delaware Emergency Planning and Community Right-To-Know Website at: www.serc.delaware.gov

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Visit us on the web!

www.dnrec.delaware.gov



The Division of Waste and Hazardous Substances plans for and responds to, environmental incidents; regulates the handling, transfer, storage and disposal of solid, infectious and hazardous waste; manages the recycling program in Delaware; regulates above and underground storage tanks and boilers; oversees the remediation of sites that have been contaminated by hazardous substances and chemicals; and implements Delaware's Brownfields Development Program.

The Division of Air Quality handles the majority of air issues in Delaware including: monitors and regulates all emissions to the air; issues "permits to construct" and "permits to operate" to air contaminant sources; maintains emission inventories from business and industry; develops the State Implementation Plan as required by the Clean Air Act; adopts new regulations and enforces existing regulations and permits; and inspects asbestos removal sites.

The Division of Water manages and protects water resources through various programs by providing technical assistance, laboratory services, regulatory guidance and implementation, and educational services; and performing applied research.

EASY REFERENCE PHONE NUMBERS

24-hr. Environmental Report and Spill Notification Line - 1-800-662-8802

Aboveground Storage Tanks - 302-395-2500

Asbestos—New Castle - 302-323-4542

Asbestos—Kent & Sussex - 302-739-9402

Biosolids Permits - 302-739-9946

Boiler Safety - 302-744-2735

Brownfields - 302-395-2600

Delaware Estuary Program - 302-739-9949

Div. of Air Quality, Dover Office - 302-739-9402

Div. of Air Quality, New Castle Office - 302-323-4542

Div. of Waste and Hazardous Substances, Dover Office - 302-739-9400

Div. of Water, Dover Office - 302-739-9950

Dock/Dredging/Bulkheads/Rip-Rap/Wetlands & Subaq. Lands - 302-739-9943

Emergency Prevention and Response - 302-739-9404

Environmental Crimes Unit - 302-739-9401 or 1-800-662-8802

Hazardous Waste - 302-739-9403

Loans & Grants for Wastewater and Septics (FAB) - 302-739-9941

Medical Waste - 302-739-9403

Non-Hazardous Liquid Waste Transporters - 302-739-9948

On-site Wastewater Licensing Program - 302-739-9948

Open Burning - 302-739-9402

Outreach Ombudsman - 302-395-2515

Recycling - 302-739-9403

Septic System Permits - Large Systems Statewide - 302-739-9948

Septic System Permits - Small Systems for Kent & NCC - 302-739-9947

Septic System Permits - Small Systems for Sussex Co. & Holding Tank

Compliance Program - 302-856-4561

Site Investigation & Restoration Section (Superfund & Brownfields) - 302-395-2600

Solid Waste - 302-739-9403

Source Water Protection - 302-739-9945

Stormwater Permits - 302-739-9946

Surface Water Discharge Permits (NPDES) - 302-739-9946

Underground Injection Control & Spray Irrigation - 302-739-9948

Underground Storage Tanks - 302-395-2500

Wastewater Collection, Conveyance and/or Treatment Facility Construction Permits - 302-739-9946

Wastewater Treatment Facility Operators - 302-739-9946

Water Allocation Permits - 302-739-9945

Water Testing - Drinking Water (Div. of Public Health) - 302-741-8630

Well Driller's License - 302-739-9944

Well Permits & Licensing - 302-739-9944