Santa Rosa County Glass Recycling

"Recycling with a Repurpose"

Glass containers are one of the easiest items in the waste stream to recycle. Unfortunately, in order to recycle glass, there must be a processing center to send the glass to that is cost effective not only for shipping, but also for the initial start up costs and daily operations. Until now, the entire southeast only had traditional glass-melting recycling facilities, the closest located in Jacksonville. Nearly all glass that was collected in Santa Rosa and surrounding counties ended up in a landfill. Thanks to an Impact 100 Grant awarded to Santa Rosa Clean Community System, valuable space in the landfill will be saved . Discarded glass will have a new purpose as Santa Rosa begins the operation of one of only an estimated 150 pulverized glass recycling facilities in the United States.

The glass recycling process in Santa Rosa County is simple and truly collaborative. Residents place glass jars and bottles in either their own curbside recycling container or deposit the glass at one of the 27 recycling areas around the county. ARC Santa Rosa crews help collect, sort materials and make sure the public recycling areas are free of debris. At the recycling facility located at the Santa Rosa County Central Landfill, inmate crews sort the glass. The glass is run through the new glass processing system which removes labels and tops and produces both a gravel and sand product.

Initially, the recycled glass will be used at various government and non-profit sites to introduce the many uses of recycled glass to the public. Sometime after September 2010, Santa Rosa Clean Community will offer the gravel and sand to the public at "innovation stations" in limited amounts at no charge. As the process is refined and larger amounts of glass are collected through residential recycling, agreements with restaurants and bars, and other landfills that do not have glass recycling capability, the recycled glass gravel and sand will be marketed and sold. Profits will be used to help continue recycling efforts in Santa Rosa County.

Citizens and local businesses can play a huge roll in the success of this program by simply starting to recycle glass. The more glass that is processed through the Santa Rosa County Recycling Facility, the more glass gravel and sand will be available.

About the glass gravel and sand

- Has no sharp edges, safe to walk on barefoot
- Safe for people of all ages, pets and marine life
- Colors- mixed, clear, green, brown or blue

Possible uses

- Landscape material including mulch, driveways, parking lots, walk ways, fish ponds, play sand and paver fill
- Asphalt and cement fill
- Sand blasting and sandpaper material
- Filtration material for swimming pools, wastewater, and septic tank systems
- Drainage for pipe bedding, French drains and golf course greens
- Aggregate mix in concrete counter tops and Terrazzo tile
- Beach restoration
- Art material
- Decorative- fountains, birdbaths, terrariums, aquariums and flower arrangements

Mulch that Rocks

- Works like traditional mulch products
- Never fades or breaks down
- Helps regulate soil temperature
- Natural deterrent to slugs
- Doesn't provide a home for termites
- An environmentally friendly recycled product

See it

- County Administration Building on Caroline St.
- Central Landfill on Da Lisa Rd.
- Green Up Nursery on Park Ave.
- SRC Chamber of Commerce on Stewart St.

Recycled glass produced at the Santa Rosa County Central Landfill Recycling Facility has many uses. The glass sand and gravel is pictured above as parking lot material, decorative mulch and septic system filtration material.

Central Landfill Recycle Facility facts

- Recyclable material received each month- approximately 500 tons
- Glass received each month- approximately 100 tons
- Estimated landfill space saved each year by recycling glass- approximately 1,000 cubic yards

The equipment: Andela Glass Pulverizer GP-05L

The Andela Pulverizer Model GP05L is ideally suited to process one to two tons per hour. It produces sand and glass gravel from which the caps, labels and other residue have been separated. The sand and gravel is not sharp, is 100 percent recycled material, is over 99 percent crystalline silica free and is safe for a multitude of uses. The model used in Santa Rosa County is the first ever with a chromium carbide barrel liner which will reduce replacement part costs.

What glass is recyclable?

☑ **YES-** Any color empty food and drink bottles and jars, drinking glasses

⊘ **NO-** ***Plate glass, auto glass or stained glass***

Where to recycle

- Curbside recycling programs through Waste Pro (other service providers in our area do not bring their recyclable material to the Central Landfill). Contact Waste Pro at (850) 689-8600.
- Any of the 27 Santa Rosa County public recycling areas located throughout the county (listing and maps available at: www.santarosa.fl.gov/recycle)

SANTA ROSA COUNTY FLORIDA

www.santarosa.fl.gov

Santa Rosa glass recycling was made possible by an Impact 100 Grant and is a collaborative project of Santa Rosa County, Santa Rosa Clean Community and ARC Santa Rosa

For more information contact the Santa Rosa County Environmental Department at (850) 981-7135 or Santa Rosa Clean Community System, Inc. (850) 623-1930

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www.srclean.org