

Knowledge Is the Key to a Cleaner Environment



Everybody creates trash, but there are ways that we can all make a little less. DSWA is committed to educating children and adults about waste management issues and teaching them how to shrink the amount of trash they produce. Learning how to make less trash and safely manage the rest helps all of us become more responsible citizens. With that goal in mind, DSWA has developed many educational materials, including:

“The Great Waste Mystery” (grades 6–8)

The Great Waste Mystery is a curriculum for sixth- through eighth-grade students. It provides teachers with an environmental resource tool to help connect solid waste management information with science, math, language arts, and social studies. This curriculum was designed to meet five main objectives:

- Promote responsible behavior by Delaware residents in the area of waste generation;
- Emphasize the importance of consumer action and decision-making based on knowledge;
- Increase awareness and understanding of solid waste management practices;
- Promote interest in the solid waste management field as a career choice;
- Familiarize teachers and students with DSWA while encouraging communication.

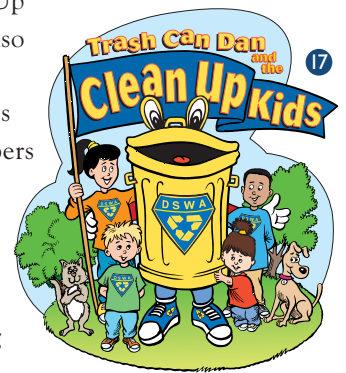
The Great Waste Mystery curriculum identifies the content standard set forth by the Delaware Department of Education and has won an Excellence in Education Award by the Solid Waste Association of North America.



The Clean Up Kids Club! (grades K–4)

Trash Can Dan and the Clean Up Kids have formed an exciting new club for children to learn more about recycling, composting, landfills, and other important environmental topics.

The Clean Up Kids Club also provides fun opportunities for its members to earn recycling prizes by searching for recycling points and participating in exciting environmental activities. The membership kit includes an original story book, stickers, a magazine with games and neat recycling projects, and much more. Have your child sign up today!



15) Trash Can Dan makes learning fun for elementary school students.

16) Through Environmental Education Programs, students are shown the importance of sound solid waste management practices.

17) The Clean Up Kids Club is a great opportunity for kids to learn more about recycling, composting, landfills, and other important environmental topics.



Delaware Solid Waste Authority

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Citizens' Response Line 1.800.404.7080

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Delaware Solid Waste Authority

Working With You To Protect Delaware's Quality of Life

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Keeping Our Home Beautiful and Safe



1) Trash Can Dan has become a statewide icon for DSWA's education effort.

2) The best learning experiences for environmental education are "hands on."

The Delaware Solid Waste Authority exists to protect the First State's public health and environmental quality through responsible, cost-effective solid waste management. We take our duty very seriously, recognizing that our commitment today will affect Delaware residents' quality of life for generations to come.



3) Proper management of our landfills has set an example worldwide.

4) After children learn about recycling at school, a trip to a RECYCLE DELAWARE Center becomes an adventure.

Our activities, which are conducted without governmental subsidies, fit into three primary categories:

- Operating world-class, cost-effective landfills;
- Promoting and managing DSWA's RECYCLE DELAWARE and other DSWA recycling programs; and
- Promoting community education in modern solid waste management practices and environmental stewardship.

Since DSWA was created by the State of Delaware in 1975 as an independent, self-supporting entity, we have opened three award-winning landfills that have safely disposed of more than 14 million tons of solid waste. In addition, we operate a solid waste transfer station at Pine Tree Corners and five collection stations at Cheswold, Ellendale, Bridgeville, Long Neck, and Omar, providing Delaware residents with convenient access to waste disposal facilities.

In 1990, we launched RECYCLE DELAWARE, a voluntary statewide program that has been embraced enthusiastically by State residents. An



average of three million pounds of material is collected each month, and more than 96 percent is being sent to regional markets—an exceptional rate that's a credit to all of our citizens who have made recycling a way of life in Delaware.

Perhaps our most rewarding endeavor is the work we do with the State's youth. Through school presentations and specially developed educational materials for the home and classroom—including our unique new "Clean Up Kids" club—we're helping every generation learn the importance of responsible solid waste management.

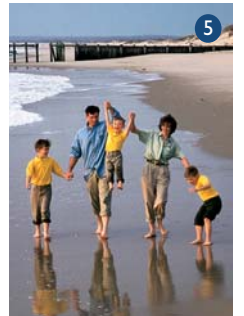
With all of these efforts, we're working to keep Delaware a beautiful, clean, and safe place to live—now and forever.

Our Board of Directors—Working for You

One of the keys to DSWA's success has been its dedicated Board of Directors, composed of your fellow citizens from all regions of the State. Our Board members are volunteers who serve because they truly care about maintaining Delaware's beauty and unique quality of life—from its picturesque beaches and wetlands to its prosperous cities and farmland.

The Directors are responsible for setting policy and making decisions regarding operations, programs, and planning. Through its enlightened leadership and the vision of its executive staff, DSWA has become a recognized world leader in solid waste management innovation. Its programs have been emulated worldwide!

But although their efforts have built a widespread reputation for DSWA as a solid waste management role model, our Directors' first priority is always right here at home. They put Delaware's best interests first because, like you, they want the First State to be a healthy, thriving place to live for many generations to come.



5) Delaware is famous for its pristine beaches. The Authority works diligently to help keep them clean today and for future generations.

Richard V. Pryor
Chairman
Board Member Since 1989

John P. Healy
Board Member Since 1994

Phyllis M. McKinley
Board Member Since 1992

F. Michael Parkowski
DSWA Legal Counsel

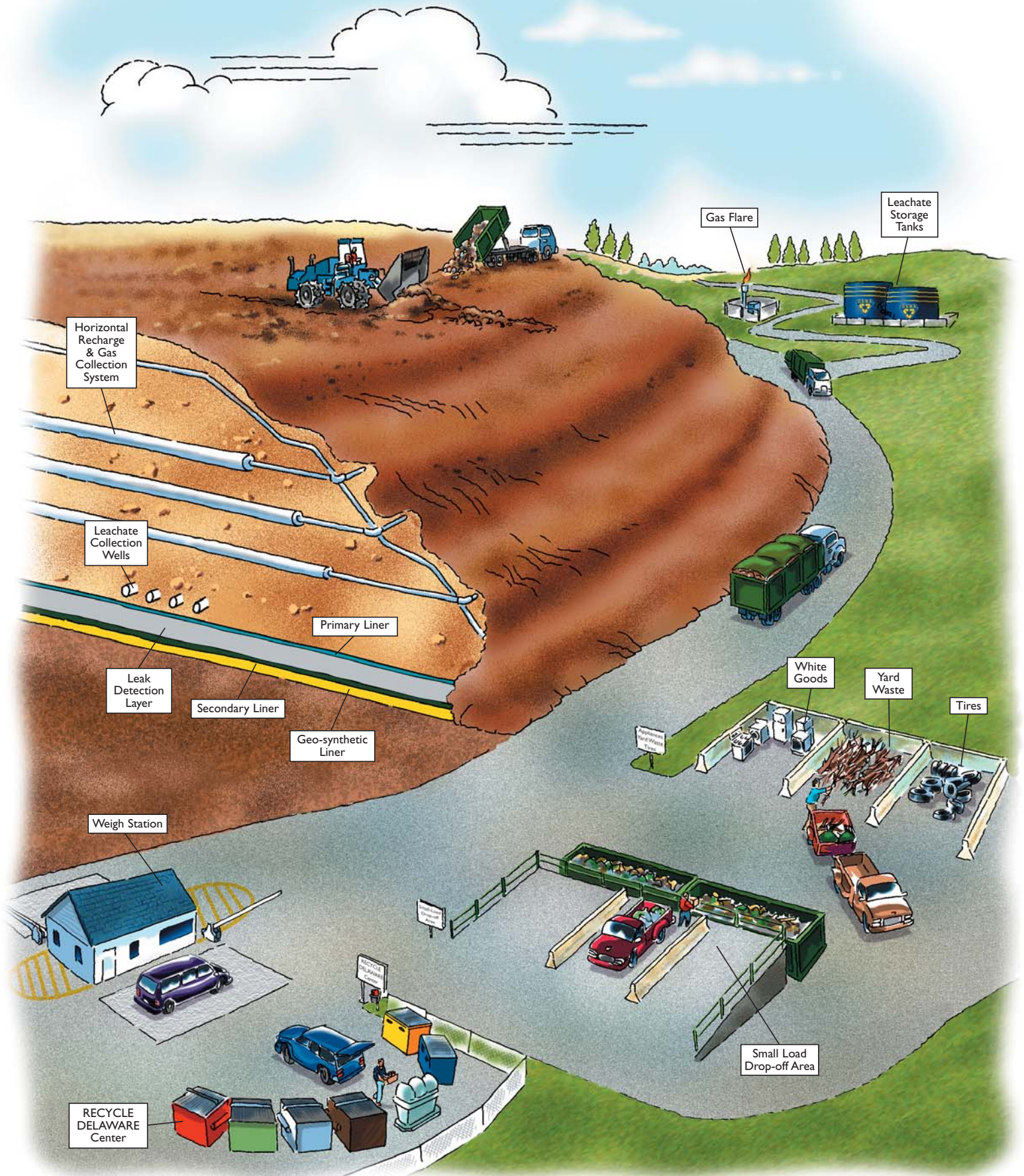
J. Donald Isaacs
Board Member Since 1975

Theodore W. Ryan
Board Member Since 1979

William J. DiMondi
Board Member Since 1997

Ronald G. McCabe
Vice Chairman
Board Member Since 1979

Modern Landfills Protect Our Environment



Solid waste management has come a long way from the days when people disposed of trash in local “dumps.” Today, DSWA operates three modern landfills that not only safeguard the environment but also help to improve it by generating funding for environmental programs throughout Delaware.

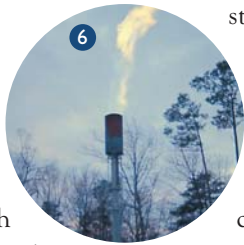
Our three landfills—one in each county—are carefully designed and constructed to protect groundwater quality and public health; to control odors and gas emissions; and to provide a reliable, cost-effective disposal resource. DSWA’s award-winning landfills are recognized worldwide for innovative technology and research projects.

Today’s modern landfills are constructed on top of liners made either from heavy plastic and geo-synthetic material (clay) or 40-foot-deep natural dredged material.



The liners prevent leachate—water that soaks through the compacted solid waste—from entering aquifers or streams. Leachate collection systems built on top of the liners carry away the liquid, which is treated at municipal wastewater treatment facilities.

Decomposing solid waste also creates combustible “landfill gas” which, in the case of the Northern Solid Waste Management Center at Cherry Island, is supplied to Conectiv’s Edgemoor Power Plant for generating electricity.



To ensure that all of our landfill systems are functioning properly and safeguarding the environment and public health, we continually monitor surrounding water and air quality in accordance with strict regulatory standards.

In addition to providing waste removal services to companies who serve Delaware with a safe, convenient disposal center, each of our landfills services household waste from residents at Small-Load Drop-off Areas, away from the active landfill.

With decades of remaining disposal capacity, DSWA’s technologically advanced landfills are poised to serve Delaware’s municipal solid waste disposal needs well into the 21st century.

Types of Waste Accepted

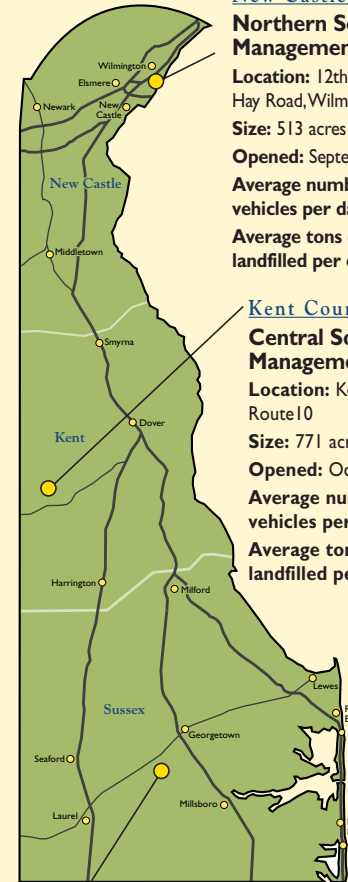
- Municipal solid waste from public and private collection vehicles
- Construction and demolition debris
- Asbestos—Categories I & II Non-Friable (special packaging and appointment are required)
- White goods (refrigerators, air conditioners, and other appliances)—refrigerant is removed by a licensed technician, and scrap metals are recycled
- Tires—after collection, they are recycled or combusted for energy
- Yard waste—composted

6) Gases from decomposing waste are collected and flared safely.

7) Constant monitoring of our water quality protects our water resources.

Solid Waste Management Centers

DSWA landfills are conveniently located to provide Delaware residents and municipal solid waste collection companies with easy disposal access in all three of our counties.



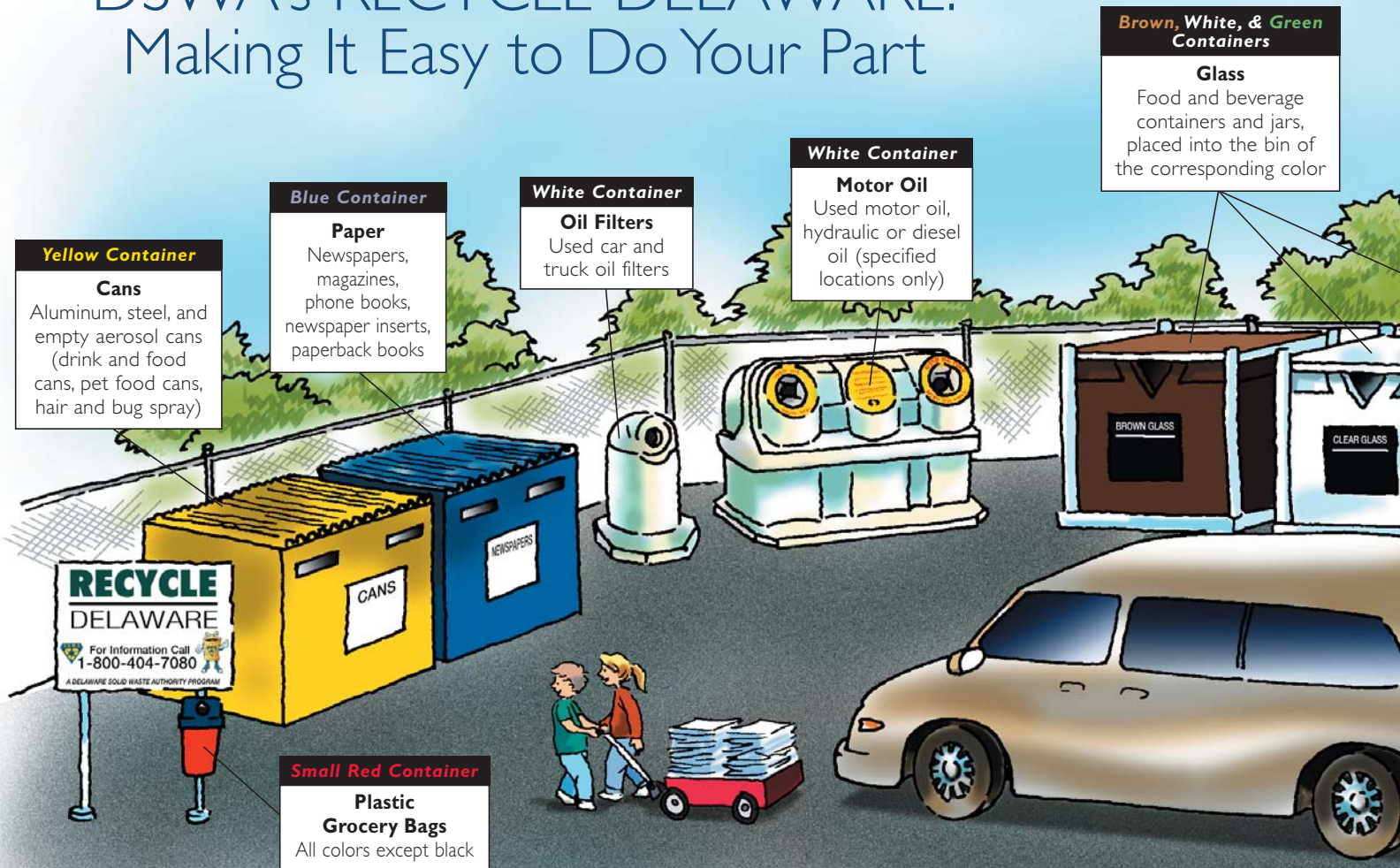
New Castle County
Northern Solid Waste Management Center
Location: 12th Street at Hay Road, Wilmington
Size: 513 acres
Opened: September 1985
Average number of vehicles per day: 562
Average tons of trash landfilled per day: 1,850

Kent County
Central Solid Waste Management Center
Location: Kent County, Route 10
Size: 771 acres
Opened: October 1980
Average number of vehicles per day: 230
Average tons of trash landfilled per day: 395

Sussex County
Southern Solid Waste Management Center
Location: Route 20 between Millsboro and Seaford
Size: 572 acres
Average number of vehicles per day: 357
Average tons of trash landfilled per day: 606

Interested in learning more? Tours of DSWA landfills are available to community organizations and school groups. For information about scheduling a tour, landfill hours of operation, or specifics regarding items accepted, please call the DSWA Citizens' Response Line at (800) 404-7080 or visit DSWA on the Internet at www.dswa.com.

DSWA's RECYCLE DELAWARE: Making It Easy to Do Your Part



Yellow Container
Cans
Aluminum, steel, and empty aerosol cans (drink and food cans, pet food cans, hair and bug spray)

Blue Container
Paper
Newspapers, magazines, phone books, newspaper inserts, paperback books

White Container
Oil Filters
Used car and truck oil filters

White Container
Motor Oil
Used motor oil, hydraulic or diesel oil (specified locations only)

Brown, White, & Green Containers
Glass
Food and beverage containers and jars, placed into the bin of the corresponding color

Small Red Container
Plastic Grocery Bags
All colors except black

RECYCLE DELAWARE
For Information Call 1-800-404-7080
A DELAWARE SOLID WASTE AUTHORITY PROGRAM

Recycling is a major part of DSWA's solid waste management strategy. Through our RECYCLE DELAWARE program, we provide a comprehensive array of recycling opportunities for Delaware residents, from collection of familiar recyclables such as glass, aluminum, and plastic, to innovative programs for oil filters and electronic goods.

By recycling, DSWA and Delaware's citizens are working together to reduce the flow of material into landfills and conserve precious natural resources.

DSWA's RECYCLE DELAWARE is a voluntary program that generates an average of three million pounds of recyclable material every month. The average household paying for trash collections, directly or through their

RECYCLE DELAWARE

Recyclable	Becomes	Environmental Benefits
Paper	Newsprint, boxboard liner (cereal boxes, etc.) and egg cartons	Reduces amount of trees used in paper production
Plastic bottles	New plastic bottles, carpet fiber, carpet backing	Reduces amount of petroleum products used in plastic production
Metal cans	New steel products and aluminum cans	Reduces need for iron ore, bauxite (aluminum ore), and coal
Glass	New glass containers of the same color; additive in "glassphalt" paving material	Reduces amount of sand used in glass production and aggregates used in asphalt
Cardboard	New cardboard	Reduces amount of trees used in paper production
Motor oil	Gasoline, home heating oil, diesel fuel	Reduces usage of crude oil
Oil filters	Fuel from recovered motor oil, new steel products from metal housing	Reduces use of iron ore, coal, and crude oil
Batteries	Safely stored and disposed material	Minimizes environmental hazards
Plastic grocery bags	New plastic grocery bags	Reduces amount of petroleum products used in plastic production

Red Container

Plastic

Narrow-neck plastic bottles (milk containers, soda, laundry detergent, cooking oil, salad dressing, shampoo, and cleaning bottles)

Dark Brown Container

Cardboard

Clean corrugated cardboard

Small Yellow Container

Batteries

Small household batteries and button type (A's, C's, D's, watch, hearing aid, camera)



municipality, helps pay for recycling. DSWA receives no Federal or State tax dollars to help pay for the collection or processing of all materials collected through DSWA's recycling programs. Recyclables are accepted at more than 145 RECYCLE DELAWARE Centers, which are conveniently located within a five-mile drive from most Delaware households.

Residents place their recyclables into colorful containers that are clearly marked to indicate which type of material should be deposited. Then, the materials are collected and taken to the Delaware Recycling Center, where they are checked over and baled prior to being shipped to recycling markets.



Some of the materials, such as glass bottles and aluminum cans, come back to consumers in their original form.

Plastic bottles, on the other hand, are used to make carpet fiber and carpet backing, while recycled paper may be made into newsprint, boxes, or egg cartons, and motor oil is refined into gasoline, home heating oil, and diesel fuel.

One of DSWA's most successful recycling programs is for oil filters, which are crushed into "bricks" that are sold and melted down to produce new steel. Our award-winning oil filter program has earned widespread recognition of Delaware as a leading recycling innovator.

DSWA's RECYCLE DELAWARE Centers

DSWA provides and maintains over 145 RECYCLE DELAWARE Centers throughout the State. Each center is strategically located so residents can drop off recyclables while running other errands, without making a special trip.



RECYCLE DELAWARE is fully paid for through DSWA user fees. DSWA receives no governmental subsidies. Proper sorting and depositing of acceptable materials only is essential for the program's success. Paper, plastic bottles, cans, glass, batteries, and cardboard can be taken to any center, but motor oil, oil filters, and textiles are accepted only at some centers.

For specifics on the types of materials that can be recycled or to find the RECYCLE DELAWARE Center nearest you, call the Citizens' Response Line at (800) 404-7080 or visit DSWA on the Internet at www.dswa.com.

8) Families throughout Delaware make this voluntary recycling program very successful.

Transfer Stations Save Time, Money, and the Environment



DSWA recognizes that convenience is an important factor for encouraging residents to dispose of their trash properly. That's why we constructed the Pine Tree Corners Transfer Station in southern New Castle County.

Opened in 1991, in response to requests from citizens in the Middletown-Odessa-Townsend region, Pine Tree Corners is the first mechanized transfer station in the State to allow public access *and* comply with environmental regulations. Plus, it's the first in the State to collect both source-separated recyclable materials and municipal solid waste on site.

Pine Tree Corners provides residents, as well as commercial haulers, with a convenient location to dispose of municipal solid waste. The transfer station saves residents the time, distance, and fuel that would be required to travel to a DSWA landfill facility.

DSWA continues to identify growth areas throughout the State that would benefit from a transfer station facility. All DSWA facilities are developed to blend into the natural environment through the use of landscaping, tree planting, and ample buffering.

Bringing your trash to a DSWA transfer facility is one more way you can help secure Delaware's tomorrow through effective environmental stewardship today.



How to Use a DSWA Transfer Station

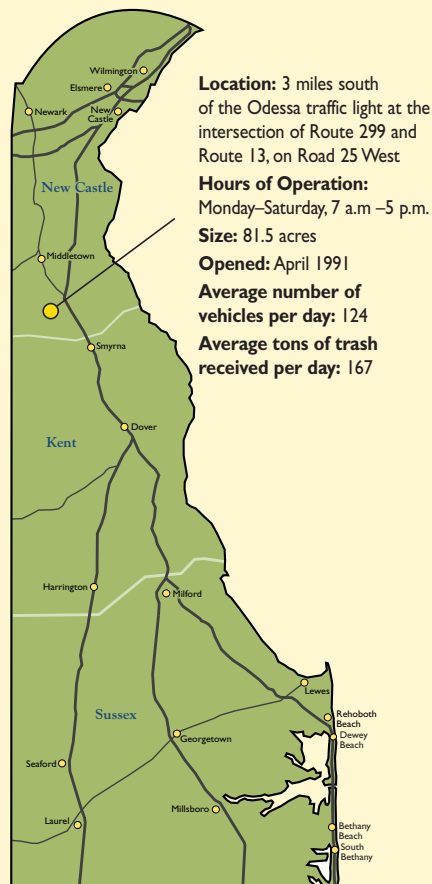
DSWA transfer stations are designed to receive municipal solid waste from Delaware residents as well as from licensed private collection vehicles.

Transfer stations accept:

- Household waste.
- Construction and demolition debris.
- White goods. This includes refrigerators, air conditioners, and other appliances. Refrigerant is removed by a licensed technician, and scrap metals are recycled.
- Tires. After collection, they are recycled or combusted for energy.
- Yard waste. Grass clippings, leaves, and other yard waste are used as mulch for landfill applications.
- Separated recyclable materials.

Transfer stations include an on-site RECYCLE DELAWARE Center for materials such as plastic, glass, and metals. All recyclable materials should be placed in the appropriate containers at these centers—or one most convenient to your home—prior to depositing trash at the transfer station. This helps conserve resources and prolong the life of our landfills.

Pine Tree Corners Transfer Station At-a-Glance



For more information or specifics regarding items accepted, please call the DSWA Citizens' Response Line at (800) 404-7080 or visit DSWA on the Internet at www.dswa.com.

9) Designated recycling areas allow residents to safely dispose of their yard waste, appliances, and tires.

Collection Stations: Convenience Is in the Bag!

Delaware residents who want to dispose of their trash by the bag have five convenient locations at which to do so. Collection stations in Kent and Sussex counties offer residents a “pay-as-you-throw” option for safe and cost-effective solid waste disposal.

DSWA has surveyed users of the stations and found that more than 96% were satisfied with the facilities and attendants, while 94% said they used the RECYCLE DELAWARE Center. As a result, most noticed that they had less trash to throw away.



How to Use a DSWA Collection Station

- Collection stations only accept waste in bags, up to 33-gallon size
- Disposal fee is \$1.00 per bag
- Tickets must be purchased in advance:
 - \$10.00 multiple-use ticket for 10 bags
 - \$20.00 multiple-use ticket for 20 bagsNo cash or credit transactions at the collection stations
- Tickets may be purchased by mail or in person at:

Delaware Solid Waste Authority
1128 S Bradford St.
P.O. Box 455
Dover, DE 19904
302-739-5361 or 1-800-404-7080
Monday through Friday,
8:00 a.m. to 4:30 p.m.

- Tickets may be purchased in person only at:

Southern Solid Waste Management Center
Rt. 20, Jones Crossroads
Georgetown
Monday through Saturday,
7:00 a.m. to 5:00 p.m.

Sussex County Public Works
Sussex County Administration Bldg.
Two The Circle—3rd floor
Georgetown
Monday through Friday,
8:00 a.m. to 4:30 p.m.



10) Collection Station attendants greet each customer that visits the station.

11) Five collection stations Statewide offer residents access to DSWA programs.

For just \$1 per bag, residents can take their trash to collection stations at Cheswold, Ellendale, Omar, Bridgeville, and Long Neck. “Multiple-Use-Tickets” for 10 or 20 bags must be purchased in advance.

Residents who use the collection stations in combination with DSWA’s RECYCLE DELAWARE Program can significantly reduce their trash disposal costs. During the year, residents disposed of 108,702 bags of waste at the collection stations while placing about 2,341,069 pounds of recyclable materials in the containers at the stations, avoiding disposal costs on those items.

There's More to Recycling ...

Household Hazardous Waste Collection Events

Even small amounts of household hazardous waste can cause big problems if they're not disposed of properly. DSWA accepts a wide variety of items that are kept out of landfills.

What is household hazardous waste? You might be surprised. It's everything from household cleaners and garden pesticides to paints and stains. Even things like nail polish and prescription medications require special handling.

Items should be sealed in their original containers and packed separately in triple bags to prevent spillage. Make sure to call us for information about what's accepted and where to bring it.

Electronic Goods Recycling

The huge popularity of electronic gadgets from computers to video cameras means that more of these items are being thrown away. But they don't need to be!

Someone's trash can be someone else's treasure. So if you're a business or an individual, don't toss that old copier or television—bring it to a DSWA electronic goods collection site. The items may be refurbished so they can be used again, perhaps by a school or maybe a business that's just starting out. Otherwise they are recycled for their components.

Many types of electronic goods are accepted during business hours at the Delaware Recycling Center, the Pine Tree Corners Transfer Station, the Central Solid Waste Management Center, and the Southern Solid Waste Management Center.

Oil Filter Recycling Program

If you think of oil filters as a messy nuisance, think again! By taking used oil filters to a RECYCLE

DELAWARE Center, you can help turn that “messy nuisance” into a valuable resource.

Each year, DSWA collects more than 1 million used oil filters from repair shops, service stations, and RECYCLE DELAWARE Centers, and takes them to the Delaware Recycling Center. There, a mechanical press called “The Kruncher” squeezes out 99 percent of the oil and molds the filters into 10-pound briquettes of scrap steel—a valuable commodity that's used in making new steel products.



For keeping oil filters out of Delaware's landfills and for being the first program of its kind in the United States, the DSWA Oil Filter Recycling Program has been widely recognized as an outstanding example of innovative resource recycling.

For more information about any of these recycling opportunities, call the Citizens' Response Line at (800) 404-7080 or visit us on the Internet at www.dswa.com.



12) HHW events are scheduled regularly throughout the State to help dispose of dangerous materials from our homes.

13) The Electronic Goods Recycling Program collects discarded electronic devices for safe recycling and re-use.

14) The award-winning Oil Filter Recycling Program provides a safe disposal option for residents and businesses in Delaware.