



# Mid-Atlantic Chapter Solid Waste Association of North America

## SOLID WASTE NEWS For Waste Professionals

March 12, 2009

### President's Message

The solid waste industry has not been immune to the painful pinch of the recent downturn in our economy. The volumes of waste and recyclables are down; this time last year the cost of fuel was at or above five dollars per gallon, and the market values of most recyclables are the lowest they have been in recent memory. But, the news is not all bad. The Obama administration has pledged its commitment to the environment, and the recently announced stimulus package pledges significant funds for renewable energy projects, tax credits, and infrastructure that could benefit and strengthen our industry.

The Board of Directors of the Mid-Atlantic Chapter of the Solid Waste Association of North America has made a commitment to our membership to expand the training opportunities in our local region. Recognizing that the budget cuts we are all experiencing generally limit training and travel to nationally sponsored events, we will be increasing our training programs to provide certification courses as well as one-day courses in the DEL-MAR-VA area. The recent Manager of Compost

Operations certification course was a huge success, and the upcoming Manager of Transfer Station operations certification course has already begun to fill. Please check our web site for more upcoming events.

I would like to thank our Board and our members for your continued support of the Mid-Atlantic Chapter. Membership and attendance at our meetings and training courses provides valuable information and networking opportunities. I look forward to seeing many of you at our joint conference with the Maryland Recycling Network, June 25 – 26 at the University of Maryland Campus.

**Robin Ennis**  
**President**  
**Mid-Atlantic Chapter**  
**Solid Waste Association of North America**



### SWANA Mission Statement:

***“Advancing the practice of economically and environmentally sound solid waste management in North America.”***

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Frederick County

# Frederick County Begins Single Stream Recycling

By: Dawn Adams, Recycling Program Manager  
Frederick County

Frederick County, Maryland has made the switch to single stream recycling. After more than 15 years of providing residential recycling services, the Board of County Commissioners and the Department of Solid Waste Management were seeking ways to both increase recycling rates as well as improve the efficiency of operations. After running a successful pilot program last fall in Mount Airy, Frederick's county-wide recycling processes officially became single stream on January 26, 2009.

Nearly 54,000 residents were offered curbside service using 18-gallon collection bins in the previous dual-stream recycling program; participation rates varied, ranging from approximately 65-73%. Changes initiated by the new program include issuing larger collection containers, accepting a broader range of materials, requiring less pre-processing of recyclables, and eliminating the need for residents to sort their materials. In its first month, the new program has seen both increased participation—with more households setting out recyclables for collection—as well as higher volumes of recyclables collected from most households.

The collection containers utilized by the new program are primarily wheeled carts with attached lids, although residents are given the option of continuing to recycle using 18-gallon bins (convenient for townhomes without garages and residents unable to maneuver the larger carts). The standard-issue cart provided to most households is a 65-gallon model; 35-gallon and 95-gallon containers are offered upon request. All carts are manufactured with an RFID chip imbedded into the plastic and a serial code printed on the surface, enabling the County to track more accurate data about its program. The larger containers are also key to the success of another facet of the new system—an every other week collection schedule.

Frederick County has shifted from weekly to every other week pick-up of residential recycling. This change is intended to place fewer trucks on the road and also increase the efficiency of operations. These improvements will allow an expansion of existing service areas to occur and, for the first time, curbside recycling will be offered to every single family household in the County. The nearly 16,000 new households to be added to the program will begin receiving recycling carts and pick-up service this spring.



Partnering with the County to implement the single stream program is the contracted hauler, Allied Waste Services, and the Recycle America MRF in Elkridge, MD. Given the economic downturn, curbside recycling may be an expensive endeavor in the immediate future, but over time may result in a positive economic impact for the County. Regardless of fiscal value, this program is viewed as improving the quality of life for residents and as a responsible way of managing waste, essential to creating a more sustainable community.

For additional information, please contact Dawn Adams, Recycling Program Manager, 301-600-7403 or [dadams@fredco-md.net](mailto:dadams@fredco-md.net).

# 2009 Mid-Atlantic Scholarships Award Program

## Applications Now Available

By: *Mehal Trivedi, Project Manager*  
*Frederick County*

In an effort to promote education and professional development, the Chapter Scholarship Committee has established the Mid-Atlantic Scholarship Awards Program.

Completed applications must be received by the Chapters no later than May 1, 2009. The Chapter Scholarship Committee is responsible for reviewing and selecting local winners. The Chapter will forward one representative for each scholarship category (except category 1A) to the International Scholarship Committee for review. Chapter applications are available on the Mid-Atlantic website or electronically from Mehal Trivedi upon request.

The names and completed applications must be received by the Scholarship Committee Staff no later than May 1, 2009 in order to be considered for an award.

Eligible candidates must be sons, daughters, grandsons or granddaughters of a SWANA Member (sponsor) in good standing as of May 1, 2009. SWANA Student Members in good standing are also eligible (for more details, please visit the Chapter website at [www.swana-midatl.org](http://www.swana-midatl.org)).

The schedule for selection is as follows:

- May 1 - Deadline for submission of application materials to Chapter Scholarship Committee
- June 1 - Deadline for submission of Chapter candidates for review by International Scholarship Committee
- June 15 - Announcement of Chapter Scholarship winners
- July 15 - International Scholarship Committee meets to select winners
- August 1 - Announcement of International Scholarship winners

## Safety First!

Neal Bolton of Blue Ridge Services is upgrading his products; as a result, he has sent the Mid-Atlantic Chapter of SWANA (via Steve Lippy) several VHS tapes related to Landfill Operations and Safety:

- Backing Safety (15 minutes)
- Maintenance & Repair General (15 minutes)
- Electrical Safety
- Methane Gas Safety (15 minutes)
- Excavating Old Trash (15 minutes)
- Slips, Trips & Falls (20 minutes)



If you would like to borrow one or more of the VHS tapes please contact Steve Lippy (see below). Of course, this assumes that you are still living in the Stone Age and have a functional VHS player...

Steve Lippy  
410-887-2009  
410-887-2931 (FAX)  
[slippy@baltimorecountymd.gov](mailto:slippy@baltimorecountymd.gov)

# Managing Compost Programs

By: *Stephen T. Lezinski, Engineer III*  
*Montgomery County, DEP/DSWS*

The Mid-Atlantic Chapter of SWANA sponsored a 3-day Managing Compost Programs training course and certification exam during January 13-16, 2009 at the Higher Education and Applied Technology (HEAT) Center located in Aberdeen, Maryland. There were a total of sixteen (16) attendees from Maryland, Delaware, North Carolina and South Carolina. Twelve (12) attendees took the certification exam. The training course instructor was David Hill, Principal for Cycle Logic, an Environmental Marketing and Consultation firm.

The training course provided a general overview of typical day-to-day preparation, collection, and process operations to manage yard trim material and create a marketable end-product. Specific topics included: organic decomposition, carbon/nitrogen balance, material collection, equipment needs, composting technologies, and facility layout. Economic considerations, marketing techniques, and operator responsibility and safety were also discussed.

As part of the training course, a field trip was conducted at the Harford County Compost Facility. The Compost Facility accepts grasses, leaves, branches, brush, and organic garden trimmings. In 2008, Harford County processed approximately 47,000 tons of yard trim material. Currently, approximately 36-percent of Harford County's recycling stream is yard trim material. Photos 1 and 2 present Harford County's horizontal wood grinder and windrow turner in action. In addition, training course attendees performed a Solvita test (similar in nature to a pH test) on two compost materials to estimate maturity.

Special thanks is given to David Hill (course instruction); Waylon Pleasanton of Delaware Solid Waste Authority (course assistant); Marcia King of Maryland Environmental Service (course registration); Charles Ernst of Harford County (field trip accommodations); and Nancy Crane of Landfill Service Corporation (meal sponsor). SWANA members received a varied number of continuing education units (CEUs) for attendance based on other currently held SWANA certifications.



*Photo 1*



*Photo 2*

# The Art of Convenience

By: *Stephen T. Lezinski, Engineer III*  
*Montgomery County, DEP/DSWS*

With the establishment of local government and service employment, there comes an inherent level of responsibility and care that must be exhibited when interacting with the public. By “public,” I mean the residents, businesses, hauling companies or collectively – the customers – that receive your services or visit your facilities. The simple fact that local government is on the front lines with the customers and is held accountable for day-to-day interactions is one of the defining characteristics, which separates itself from other levels of government (i.e. state and federal). However, it is the operational challenges that accompany this management philosophy that is the true test.

On February 11, 2009 the Anne Arundel County (AAC), Department of Public Works, Waste Management Services hosted the Mid-Atlantic Chapter Board of Directors (BOD) meeting at the Glen Burnie Convenience Center (Convenience Center). Molly Cannon provided a power point presentation of the Convenience Center’s history, management philosophy, customer throughput, trash and recycling volumes, equipment use and staffing requirements. Following the presentation, Linda Currier led the BOD and other SWANA members into the wild on a site tour of the Convenience Center, which is also known as the residential recycling and trash acceptance facility. Participants braved near gale force winds during the tour by joining hands and singing aloud, which should be added as an accepted practice to the facility’s safety plan.

The Convenience Center is located on the site of a former sand and gravel mine (1940s) that was converted into a pre-regulatory era landfill (1940s-1980s). The landfill was capped in 1982 with soil and passive landfill gas vents were installed as part of the closure. In 2005, the present day Convenience Center was born after a \$5.8 million construction upgrade project was completed (See Photo 1).

Customers enter the Convenience Center and are greeted at several service booths, which direct the vehicle to designated drop-off areas depending on the type of material it is carrying. This interaction of AAC staff and customers occurs at several locations on-site and is considered standard protocol at the Convenience Center to improve the customer’s experience at the facility. Once at a designated material drop-off station, customers can deposit material onto the concrete pad or into below grade transfer trailers that are located along the perimeter of the concrete pad (See Photo 2). Another great feature of the Convenience Center is a dual contained drop-off station for used oil and antifreeze, which also has a three-sided metal cover structure (See Photo 3). AAC also utilizes a Cat M318C excavator (as a compactor), five tractors, nine transfer trailers, and three stationary compactors to manage trash and recyclable materials.

In summary, the Convenience Center has a current operating budget of 1.3 million, employs nine full-time AAC personnel, and is open 8:00 AM – 4:00 PM every day except holidays and Sundays. The Convenience Center accepts residential trash, single stream recycling, white goods, yard trim, scrap metal, rubble, shingles, electronics, batteries, tires, and used oil and antifreeze. During Fiscal Year 2008, the Convenience Center maintained a 54% recycling rate while serving approximately 230,000 customers and managing over 15,000 tons of trash.

Special thanks to Molly Cannon and Linda Currier for hosting the Mid-Atlantic Chapter BOD meeting and their efforts during the presentation and site tour. Your Convenience Center is a modern marvel for customer service and efficiency.



Photo 1



Photo 2



Photo 3

## Reminders / Wanted

- ◆ “Reporters”/writers for our Chapter newsletter.
- ◆ Important Websites to Remember: [www.swana.org](http://www.swana.org), [www.swana-midatl.org](http://www.swana-midatl.org) & [www.mdrecycles.org](http://www.mdrecycles.org).
- ◆ Training the Trainers: Contact a Board member if interested in being trained to be a trainer for a SWANA course.
- ◆ SWANA E-sessions: If your organization presents e-sessions, make them a Chapter event so that all attendees can get CEU’s. Contact Steve Lippy or Dana Murray or Shirl Wright.
- ◆ Job Vacancies in your Organization: Contact [swright@nmwda.org](mailto:swright@nmwda.org) for inclusion in our Chapter newsletter.
- ◆ Articles, information, recent/on-going projects of interest, active purchase orders, etc.: Contact [swright@nmwda.org](mailto:swright@nmwda.org) to be placed in our Chapter newsletter.
- ◆ Scholarship Sponsors: Contact Steve Lippy, Mehal Trivedi or Hallie Clemm.
- ◆ Name(s) of Prospective SWANA Members: Contact either our Chapter Membership Chair, Jessica Martin ([jmartin@tenax.com](mailto:jmartin@tenax.com)) or Dave Hernandez at SWANA ([dhernandez@swana.org](mailto:dhernandez@swana.org)), or direct the prospective member to our Chapter website ([www.swana-midatl.org](http://www.swana-midatl.org)) or SWANA’s website ([www.swana.org](http://www.swana.org))
- ◆ Newsletter Ads: These are business card size ads only (2” x 3.5”); \$100 for 4 issues. Send your business card or a JPG file and a check made payable to: Mid-Atlantic Chapter of SWANA and mail to Shirl Wright at NMWDA, 100 S. Charles Street, Tower II - Suite 402, Baltimore, MD 21201-2705.
- ◆ American Academy of Environmental Engineers: If you are an environmental engineer, you are eligible to become a member or to be certified in solid waste management by the American Academy of Environmental Engineers. See <http://www.swana-midatl.org/> or <http://www.aaee.net/>.

## Rubble Rubble Rubble

By: *Tanya Adams, Recycling Coordinator*  
*Cecil County*

Even with the expansion of conventional recycling programs (curbside collection and remote drop-off) for glass, plastics, aluminum, paper and other materials in Maryland, County Governments are still seeking for alternative ways and materials to recycle. The Cecil County Solid Waste Management Division (SWMD) is currently implementing a waste reduction and reuse approach for two of the lesser publicized, but likely more expensive commodities to manage: concrete and asphalt.

The Cecil County SWMD recently awarded a contract to Rubble Bee Recycling & Demolition LLC for crushing and grinding concrete and asphalt at its Central Landfill. The contract contains a per hour price with a guaranteed 120 tons per hour. Rubble Bee will crush and screen concrete and asphalt while separating out the rebar for recycling. The processed material will be used as road base at the Cecil County Central Landfill. The vendor is responsible for obtaining all permits. For more information call Pete Bieniek, Chief, Cecil County Solid Waste Management at 410-996-6275.

# 2009 Mid-Atlantic Regional Road-E-O

The 2009 Mid-Atlantic Regional Road-E-O will be held on Friday, June 12, 2009 at the Waste Management Grand Central Sanitary Landfill, 910 West Pennsylvania Avenue, Pen Argyl, PA.

Registrations must be received by April 17, 2009. The number of participants may be limited for each event, so please register early. Registration forms can be found on the Chapter website at: <http://www.swana-midatl.org/rodeo.htm>.



## Managing Transfer Station Systems

The SWANA Mid-Atlantic Chapter will be offering the Managing Transfer Stations Systems Training Course and Certification Exam on May 5-8, 2009 at the Howard County Government Gateway Offices in Columbia, MD. The registration cost is being subsidized by the Mid-Atlantic Chapter and registration includes continental breakfast, morning and afternoon breaks, and lunches. The course instructor will be Michael Kalish, P.E. of SCS Engineers.

If you have any questions regarding the course, please contact Steve Lippy at [slippy@baltimorecountymd.gov](mailto:slippy@baltimorecountymd.gov). If you are interested in sponsoring a break or lunch meal, please contact Clare Fadden, [clare.fadden@montgomerycountymd.gov](mailto:clare.fadden@montgomerycountymd.gov). Vendors that offer to sponsor a meal can provide handouts or other company profile information for distribution at the training course.

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**Mid-Atlantic Chapter**  
**Solid Waste Association of North America**

c/o Northeast MD Waste Disposal Authority  
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We're on the Web!  
[www.swana-midatl.org](http://www.swana-midatl.org)

March 12, 2009

**SWANA Guiding Principle:**

***"Local government is responsible for municipal solid waste management, but not necessarily the ownership and/or operation of municipal solid waste management systems."***



## MID-ATLANTIC CHAPTER

# SWANA'S MANAGING TRANSFER STATION SYSTEMS 3-Day Course

### Objective:

**Chapter Partnering Training**  
*by Mid-Atlantic Chapter*

#### **Management of Transfer Station Systems:**

To provide fundamental information on ways to effectively plan, design and operate MSW transfer stations.

### Course Content:

This 3-day course consists of presentations by instructors who are experienced and SWANA certified Transfer Station professionals, classroom exercises, case studies, a half-day tour and field exercise at a local transfer station facility.

### Upon Completion of this Course, Participants Will Learn:

- Considerations when planning a transfer station, including conceptual plan development, permitting, and site selection criteria;
- Design objectives, including capacity, selection of appropriate technology, structure considerations, and site planning;
- Sound methods of operation, including equipment management, facility operations, personnel management, being part of the community, and understanding recent policy developments; and
- Preparation for SWANA's MSW Transfer Station Systems certificate exam.

#### **DATE & TIME:**

**Tuesday, May 5, 2009 - Thursday, May 7, 2009**

(8:30 a.m. - 5:00 p.m.)

**Certification Exam - Friday, May 8, 2009**

#### **LOCATION:**

**Howard County Government Gateway Offices**

6751 Columbia Gateway Drive, Suite #303

Columbia, MD 21046

**Located off I-95, Exit 27 (MD-175)**



# Managing Transfer Station Systems

## Who Should Attend:

Anyone wanting to understand how to effectively plan, design and operate MSW transfer stations. Attendees include those who are (or would like to become) transfer station managers, consulting engineers needing a better grasp of transfer activities, and anyone preparing to take SWANA's MSW Transfer Station Systems certification exam. Others who can benefit include: solid waste managers, public works directors, inspectors, regulators, transfer station designers, and others involved in transfer station systems.

## SWANA Continuing Education Credits (Managers, Associates & Inspectors) for each Certification Discipline:

Collection Systems:	10	MSW Systems Management:	10
Construction & Demolition (C&D):	10	Recycling Systems:	10
Landfill:	10	Transfer Systems:	30
Composting:	10		

## Consider Becoming SWANA Certified:

SWANA's Transfer Station Systems certification exam is available on the day following this course, or at any SWANA event where testing is available (separate registration required).

The exam requires a calculator capable of handling seven digits.

## Michael Kalish, P.E. Resumé

As a leading solid waste design professional within SCS Engineers, Mr. Kalish has been the Project Manager and lead designer for several major transfer station renovations and expansions in Maryland and the District of Columbia and new transfer stations in Maryland and Virginia. Additionally, as a member of the landfill gas (LFG) group in Reston, Virginia, Mr. Kalish has worked on a variety of engineering projects involving LFG, LFG to Energy, landfill closure, and methane mitigation design. Local examples of his solid waste facility project experience include:

- Redesign of the Benning Road and Fort Totten Transfer Stations in Washington, DC
- Modifications to the Montgomery County Processing Facility and Transfer Station
- New Processing Facility and Transfer Station in Frederick, MD
- Modifications to the Alpha Ridge Transfer Station in Howard County, MD
- New Materials Recovery Facility and Transfer Station Modifications in Ocean City, MD
- New Transfer Station in Page County, VA
- New C&D Processing Facility in Zion Crossroads, VA
- Relocated Yard Trim Processing Facility in Montgomery County, MD
- Siting Study for the New Transfer Station in Prince Georges County, MD



**MID-ATLANTIC CHAPTER**

## JOIN SWANA to SAVE on registration Shape The Landscape Of Your Career, Get SWANA Certified!

SWANA Certification has become a benchmark in the solid waste industry. More than 3,000 solid waste professionals have already chosen SWANA Certification, earning themselves:

- Competence in regulatory requirements.
- Access to the latest in industry innovation and technology.
- An edge over the competition when seeking a promotion or new employment.
- Recognition for their industry knowledge, capability and so much more...

With over 8,000 members spread across 44 chapters, SWANA is the leading professional association in the solid waste field. SWANA represents professionals in both the public and private sector through our work to "Educate, Innovate and Communicate." SWANA's mission is to advance the practice of environmentally and economically sound management of municipal solid waste.

Some benefits of joining SWANA include:

- Online Membership Directory access.
- Special Access to the eLibrary, the solid waste industry's most comprehensive database of papers and presentations.
- Endless opportunities to network and share ideas with fellow solid waste professionals on the local and national level.
- Timely updates on regulations and changes that will affect your operations.
- Increased knowledge through numerous training courses and conferences.
- Receive the monthly newsletter, **MSW SOLUTIONS** of the Solid Waste Association of North America.

For more information on the SWANA's Membership benefits, call 1-800 GO-SWANA (1-800-467-9262) or visit [www.swana.org](http://www.swana.org).

The Mid-Atlantic Chapter is composed of these members who reside in or work in Maryland, Delaware, and the District of Columbia. Check out our website at [www.swana-midatl.org](http://www.swana-midatl.org).



**MID-ATLANTIC CHAPTER**

# REGISTRATION\*

(Note: Circle the applicable costs. Three registration options are (1) just the course or, (2) just the exam, or (3) both the course and exam.)

<u>BY APRIL 11</u>			<u>AFTER APRIL 11</u>		
	<u>SWANA Member**</u>	<u>Other</u>		<u>SWANA Member**</u>	<u>Other</u>
Transfer Station Course	\$450	\$600	Transfer Station Course	\$500	\$650
Certification Exam	95	135	Certification exam	135	175
Total Cost	_____	_____	Total Cost	_____	_____

\*Note – Registration is being subsidized by the Mid-Atlantic Chapter. Costs include continental, morning and afternoon breaks, and lunches. Do one form for each individual; however, checks may include more than one registration.

\*\* SWANA member(s) in good standing or an employee of an agency/company which has one or more SWANA member(s) in good standing in any SWANA Chapter (i.e. paid up, regardless of the SWANA Chapter).

**NAME:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**AGENCY/COMPANY:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**TELEPHONE NUMBER:** \_\_\_\_\_

**FAX NUMBER:** \_\_\_\_\_

**E-MAIL ADDRESS:** \_\_\_\_\_

**MEMBER:** Yes No (please circle)

**WHAT CHAPTER:** \_\_\_\_\_

**If not a member and requesting member rate(s), who in agency/company is a member in good standing?** \_\_\_\_\_ **WHAT CHAPTER:** \_\_\_\_\_

**QUESTIONS ON TRANSFER STATION COURSE:** Contact Stephen G. Lippy at (410) 887-2009 (O), (410) 887-2931 (fax), or e-mail at [slippy@ballimoremcountymd.gov](mailto:slippy@ballimoremcountymd.gov) .

If interested in sponsoring a lunch or break, contact Clare Fadden, [clare.fadden@montgomerycountymd.gov](mailto:clare.fadden@montgomerycountymd.gov)

Make checks payable to **“SWANA Mid-Atlantic Chapter.”** (**NOT** just to SWANA and not with Silver Spring, MD address. We are unable to accept payment by credit card. If Chapter EIN is needed, contact Steve Lippy.)

**Mail registration to:** Clare Fadden  
 Montgomery County Government  
 Department of Environmental Protection  
 Division of Solid Waste Services  
 101 Monroe Street, 6th floor  
 Rockville, Maryland 20850  
[clare.fadden@montgomerycountymd.gov](mailto:clare.fadden@montgomerycountymd.gov)

For nearby hotel information, contact:  
 Niti Blackwell  
 (410) 313-6444  
[nblackwell@howardcountymd.gov](mailto:nblackwell@howardcountymd.gov).



\*Note: SWANA National prices for Managing Transfer Station Programs for early registration are \$740 for members and \$890 for non-members; for late registration, \$790 for members and \$840 for non-members; and for exam, \$160 for members and \$285 for non-members. SEATING IS LIMITED. YOU MAY WISH TO RESERVE SPACE(S) BY CONTACTING CLARE FADDEN VIA E-MAIL.