



# Mid-Atlantic Chapter Solid Waste Association of North America

## SOLID WASTE NEWS for Waste Professionals

April 15, 2019

### Journal of Solid Waste Tech. & Mgmt. Roy F. Weston Award Recipient Kristyn Oldendorf

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The Roy F. Weston Award was established in 1993 to recognize an individual who has contributed significantly to the advancement of the field of solid waste technology and management. It was named in honor of Roy F. Weston, a leader in the field of environmental engineering, and the major consulting company that he founded.

The first award was presented to Curt Weldon of the United States House of Representatives. The most recent recipient is Kristyn Oldendorf of the City of Baltimore. Each of these individuals has been selected in recognition of their contributions to the field of solid waste technology and management.

Kristyn currently serves as Vice-President of the SWANA Mid-Atlantic Chapter.

Congratulations Kristyn!

**SWANA Mid-Atlantic Chapter  
Board Meeting**

**Wednesday, May 15, 2019**

**Details coming soon!**

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**SWANA Mission Statement:**

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

# Howard County Compost Facility Tour

By: Regina Cagle Irr, P.E.  
EA Engineering

In January 2019, Regina Cagle Irr, P.E. of EA Engineering, Science, and Technology, Inc., PBC (EA) was on hand after SWANA's Mid-Atlantic Chapter Board Meeting to discuss EA's involvement with the design and construction of the Howard County Phase IIA Compost facility. Regina provided an overview of the facility design features that expand the County's pilot composting operation to include processing capacity for an additional 7,000 CY of yard waste, food scrap and manure in ten concrete aerated static pile bunkers. The design included structural design of roadways and concrete bunkers, process management of compost runoff (i.e. contact water) per State regulations, a biofilter for odor control, process water for material wetting, and stormwater management and drainage. Regina detailed facility construction in fall 2017 and spring 2018 with month-by-month progress photos, and identified many of the facility process control features installed below-grade and embedded within concrete slabs not easily visible when touring the facility.

Jeff Dannis, P.E., CSP of Howard County Bureau of Environmental Services (BES) provided insight on operations of the expanded compost facility, which began in October 2019. Jeff discussed fluctuations in seasonal material composition and the County's ongoing effort to optimize the operation. The County has been pleased with integrating food scrap into their composting operation and has demonstrated that it can be performed economically. Jeff described the planned future phases of expansion to further increase the County's capacity to manage food scrap and green waste.



Presentation attendees included local and County municipal managers, who inquired how they may begin composting operations within their localities. Jeff shared his experience in Howard County, from initial internal discussions of the need for food scrap composting, to pricing and marketing of finished compost and mulch products. As local municipal managers vigorously took notes on lessons learned and asked detailed facility upstart questions, the initial seeds of more local composting operations may have been planted.

Following the presentation, Jeff gave a tour of the operational facility to attendees willing to brave the cold.



# SWANA Managing Composting Programs Course at the Prince George's County Western Branch Facility

By: *Steven Birchfield, Field Operations Supervisor, Food Composting Operations  
Maryland Environmental Service, and*

*Stephen T. Lezinski, BCES, Associate  
Barton & Loguidice, D.P.C.*

On March 4-6, 2019, the SWANA Mid-Atlantic Chapter sponsored the Managing Composting Programs training course in conjunction with Prince George's County and Maryland Environmental Service at the Western Branch Organics Composting Facility in Upper Marlboro, Maryland. The course provided students with an understanding of composting programs from planning through design and the operation of modern compost facilities. The training course provides Continuing Education Units (CEUs) for SWANA Certifications as well as CEUs for the Compost Facility Operator Certification that is administered through the Maryland Department of Agriculture (MDA). Additional information can be found on SWANA's website: <https://swana.org/Training/CourseCatalog/RecyclingSpecialWaste/ManagingCompostingPrograms.aspx>

Six (6) students participated in the training course and two (2) students took the exam. The course instructors included: Jessica Moore, UMD Recycling and Administration Manager (SWANA Faculty Instructor); Stephen Lezinski, Associate, Barton & Loguidice Engineers (SWANA Faculty Instructor); and Michelle Minstrell, Principal Consultant, Waste Knowledge, LLC (Student Instructor). Steven Birchfield, MES Field Operations Supervisor, was the lead operations staff for the site tour.

The Prince George's County Organics Composting Facility is a 52 acre site where Leafgro and Leafgro Gold are produced by Maryland Environmental Service. The operation receives upwards of 56,000 tons of yard trimmings per year and is actively filling its 32,500 ton food scraps composting capacity. The facility has been in operation since 1991 and has continued to grow to meet the market demand for organic resource recovery efforts in Maryland and the for its rich compost soil amendments produced. Yard trim is processed using traditional open windrow style composting methods to produce the product Leafgro, and the latest in GORE Cover Systems technology is used to process food scrap organics to produce the product Leafgro Gold.

We would like to thank Prince George's County for hosting the training event, MES for leading the facility site tour, the instructors for dedicating their time and resources, and the Mid-Atlantic Chapter for organizing and sponsoring the event.



# 2019 MRN/SWANA Mid-Atlantic Conference

## The Changing Climate of Solid Waste & Recycling: A Practical Approach for the 21<sup>st</sup> Century

Mark your calendars for the [2019 MRN/SWANA-MA Conference](#), which will be held at the BWI Marriott, Linthicum Heights, Maryland, on Tuesday, June 11, 2019.

The Conference offers:

- Technical sessions that bring you up-to-date on the hottest topics in the industry, including changing waste management and recycling models, policy and regulation, commodities markets, new technologies and more.
- Exhibits displaying the latest and greatest tools and equipment to help you do your job better. Build your brand and your business in the Maryland recycling community. A variety of [sponsorship and exhibit options](#) are available.
- Networking opportunities to connect with your peers—Step out of your office environment and be among those who understand what you're faced with day in and day out. Recharge your thinking and inspire creative approaches. The ideas you generate could improve your program—and your career.



You're not going to want to miss what this event has in store for you!

Please visit the [MRN website](#) for additional information, [preliminary program](#), and on-line [registration](#).

## SWANApalooza 2019 Train The Trainer Workshop

By: *Michelle Minstrell, Principal Consultant  
Waste Knowledge LLC*

Several SWANA-certified instructors, for various certification disciplines, gathered at [SWANApalooza](#) Boston in February for a Train The Trainer (TTT) workshop. The purpose was multifold, serving to introduce us to each other, network newer teachers with long-serving faculty, and to announce some new SWANA initiatives of upgrading the student learning experiences in SWANA offerings.

Although many of us knew each other, either through the profession or other SWANA activities, this gathering provided a great opportunity for us to get to know other instructors and learn new things about long-time contacts. As an ice breaker activity, we lined up based on how long we have been serving as SWANA faculty. Our experience ranged from months to decades. Introducing ourselves to the group involved mentioning where we were currently working in the industry, which SWANA course(s) we teach, and providing one truth (or lie) about ourself. We found out who was good at fibbing and upon elaboration, some noteworthy and memorable stories emerged about our fellow instructors.

We then broke into small groups, discussing ways to integrate an activity into a SWANA course, with the recent happenings

in the profession and using the experiences of the students present. Having students perform an integrative activity can assist in solidifying a concept for learners as well as engage some attendees who may not have contributed as much in class discussion to this point.

The focus for the education consultant hired by SWANA will be on the adult learning experience, specifically around WASTECON. However, they are working to apply the recommendations to all of their education programs as applicable.

Instructors and students alike should look forward to some innovative offerings and techniques in the future!

The next [SWANApalooza](#) event will be held in Atlanta, GA, March 23-26, 2020.



# Legislative and News Updates

By: *Jacob Shepherd, P.E.*  
*SCS Engineers*

## SWANA

SWANA's Core Advocacy Group continues to work on a draft bill for recycling infrastructure for introduction in Congress. The bill will be titled "Realizing the Economic Opportunities and Value of Expanding Recycling (RECOVER) Act." Among other things, it will provide grants to recycling programs to expand recycling infrastructure. No sponsors have been identified yet, but SWANA continues to solicit members of Congress for this. It has a name now, so you can talk to your representatives about sponsoring.

## Federal / EPA

On February 14, 2019, the EPA announced a nationwide (Polyfluoroalkyl Substances) PFAS Action Plan for addressing environmental concerns for these chemicals. PFAS are a group of chemicals of emerging concern found in many commercial and industrial products that have a risk of accumulating in living things. The action plan provides short- and long-term solutions and strategies and responds to public input to address this issue.

No new actions or legislation related to the new rules under the New Source Performance Standards (NSPS) for MSW landfills (or other Clean Air Act regulation). Previously, the EPA stated that it plans to issue a reconsideration of the new NSPS Subpart XXX and Subpart Cf regulations in March 2020. If EPA is going to meet this schedule, we should see a draft of the reconsideration sometime this month.

## Maryland Legislative

The 438<sup>th</sup> Legislative Session began on January 9, 2019 at 12:00 p.m. and will adjourn on April 8, 2019. Information on the Maryland legislative process can be found on its [website](#).

### Recycling Legislation

#### [HB 125 – Solar Photovoltaic Recycling](#)

Starting on October 1, 2019, this bill would require solar electric installers to pay a fee that would establish a solar photovoltaic recycling fund. The bill received an unfavorable report by Economic Matters on March 14.

#### [HB 502 – Office of Recycling – Mattresses and Box Springs](#)

This bill would require the Office of Recycling in MDE to provide encouragement and information related to programs that divert mattresses and box springs from waste disposal/incineration streams. On March 13, the bill unanimously passed the House by 139-0 and is currently in the Senate. A hearing is scheduled in the Senate for March 26 at 1:00 p.m.

#### [SB 370 – Recycling – Office Buildings](#)

Would amend Maryland code to require county recycling plans to address collection and recycling of recyclable materials from commercial properties that are 150,000 square feet or larger and zoned for office use. This bill passed the Senate on March 16 by a vote of 33-13 and is currently in the House.

### Waste Management Legislation

#### [HB 109/SB 285 – Expanded Polystyrene Food Service Products – Prohibitions](#)

Under this bill, polystyrene products would be prohibited from being sold or from being distributed by food service in Maryland starting July 1, 2020. This bill passed in the Senate by 34-13 on March 5 and in the House by 97-38 on a third reading on March 9.

### [HB 510 – Organic Waste – Organics Recycling – Collection and Acceptance for Final Disposal](#)

This bill would prohibit the owner/operation of a refuse disposal system from accepting loads of separately collected organic waste (yard waste and food waste) for final disposal unless the owner/operator provides for the recycling of the organic waste. The bill passed the house unanimously by 132-0 and has a hearing scheduled in the Senate on March 26 at 1:00 p.m.

### [HB 1419/SB 563 – Zoning – Special Exceptions – Construction or Operation of Landfills](#)

This bill would amend Maryland Land Use Code to require an environmental justice analysis when a property owner applies for a special exception to construct or operate a landfill in an area zoned for residential use (at property owner's expense). This bill passed the Senate on March 14 by a vote of 36-11 and is currently in the House. A hearing is scheduled for March 27 at 1:00 p.m.

## Waste-to-Energy Bills

### [HB 961/SB 548 – Public Utilities – Renewable Energy Portfolio Standard – Tier 1 Sources](#)

This bill removes waste-to-energy and refuse-derived fuel from the list of Tier 1 renewable sources to be used to meet the Renewable Energy Portfolio Standard. In 2017, 10 percent of renewable energy credits submitted for compliance were from waste-to-energy facilities. A hearing was held in the Senate on February 11 and a hearing was held in the House on March 8. No other legislative actions have occurred since these hearings.

## Withdrawn Bills

### [HB 134 – Single-Use Plastic Straws – Use in Restaurants](#)

Under this bill, restaurants would be prohibited from providing single-use plastic straws to customers unless requested. The bill received an unfavorable report by Economic Matters and was withdrawn on March 11.

### [SB 183 – Recycling – Lodging Establishments – Notification to Guests](#)

This bill would authorize lodging establishments to collect recycling from guests. If a lodging establishment does collect recycling, they must provide information in the form of signs and orally to guests about what can be recycled. Fines are imposed for violations. This bill was withdrawn on March 14 following an unfavorable report by Education, Health, and Environmental Affairs.

### [HB 973 – Baltimore City – Renewable Energy Portfolio Standard – Ineligible Tier 1 Sources](#)

This bill would have removed the eligibility of waste-to-energy and refuse-derived fuel from inclusion in meeting the Renewable Energy Portfolio Standard for facilities located in Baltimore City. Bill was withdrawn on March 4 following an unfavorable report by Economic Matters. Note that a similar bill is in the Maryland legislature that would remove waste-to-energy from Tier 1 sources.

## **Maryland MDE**

Passed during the 2017 Maryland legislative session, House Bill 124 directs MDE to adopt regulations related to recycling facilities. As part of this initiative, MDE is holding work group meetings with stakeholders and the public. The most-recent meeting was scheduled for March 14, 2019. More information can be found at the [MDE website](#).

## **Delaware Legislative**

The Delaware General Assembly Legislative Session began on January 8, 2019. No bills related to waste management or recycling are currently being considered.

## **Delaware DNREC**

No updates from DNREC related to solid waste and recycling issues.

## District of Columbia Legislative

Council Period 22 began on January 2, 2017 and will end at 12:00 p.m. on January 2, 2019. No bills related to solid waste or recycling are currently being considered by the Council.

## City of Baltimore

On November 19, 2018, the Baltimore City Council introduced an ordinance ([Council Bill 18-0306](#)) to regulate emissions from commercial solid waste incinerators, provide definitions of terms, require continuous monitoring for certain pollutants, set emission limits, and other requirements. On February 12, the Council voted to approve the ordinance despite opposition from the Wheelabrator facility and sent the bill to the mayor, who has said she will sign it. More information is available on Waste Dive [here](#).

## NEWS UPDATES

### [Big Consumer Brands Will Start Taking Their Packaging Back](#)

Bloomberg – January 24, 2019 – Some of the world’s biggest brands want to join a program called “Loop,” which debuted at the World Economic Forum in Davos, that would provide products in reusable containers that could be returned for a refund. Led by the New Jersey-based TerraCycle, Loop will offer products from about 25 companies starting in May in NY, NJ, and PA, returning the milkman model to the market. The program plans to expand to other states in the future.

### [The Environmental Dangers of PFAS and Technologies for Removing Them](#)

Waste Advantage Magazine – Viraj deSilva, PhD – March 1, 2019 – This article does a good job explaining PFAS, an emerging contaminant of concern in wastewater and leachate, including the history/background, challenges, and treatment.

### [Maryland County Executive Walks Back Closure Timeline for Covanta-Operated Incinerator](#)

Waste Dive – March 6, 2019 (Updated March 11, 2019) – Montgomery County Executive Marc Elrich has indicated that the Covanta facility located in the county will not close in 2022 as he had campaigned on. Instead, the Covanta facility may operate until the end of the current Covanta contract, which expires in April 2026, though the timeline remains unclear.

### [India Extends Timeline for Plastic Scrap Import Ban](#)

Waste Dive – March 7, 2019 (Updated March 12, 2019) – Starting on August 31, 2019, importers of scrap plastic in special economic zones and export-oriented units in India will no longer be exempted from the country’s scrap plastic import ban. Previously, Indian policy had banned scrap plastic in all areas except for these areas. India will now join a growing list of Asian countries with plastic import bans. The change is sure to further complicate the recycling markets.

### [West Virginia Nears Completion of First Renewable Energy Facility of its Kind in the Nation](#)

The Journal – March 17, 2019 – West Virginia is not covered by a SWANA region, but I decided to include this article because this facility is close to Maryland and may end up taking waste from Maryland communities. Entsorga West Virginia is planning to open a new state-of-the-art resource recovery facility in Martinsburg, WV. The facility will sort mixed MSW to remove biomass, plastics, and carbon-based material (for conversion to an alternative fuel source) and remove glass and metal for recycling. The process boasts an 80 percent diversion rate.



# SWANA Mid-Atlantic Regional Road-E-O Hosted by Pennsylvania Keystone Chapter June 7, 2019

By: *Stephen G. Lippy, P.E., BCEE, S.C.*  
*Baltimore County, MD, Retired*

This is an event based on International SWANA's guidelines to implement a regional or chapter road-e-o in order that first and second place winners will be eligible to attend the annual International SWANA Road-E-O to be held in the Fall 2019. For quite a few years, the Mid-Atlantic Chapter has been participating with the Pennsylvania and New Jersey Chapters to conduct a regional event. For the past two years, our Chapter coordinated the event as it had been hosted at MES's Mid Shore II Solid Waste Facility in Ridgely, MD. This year's Road-E-O is being hosted by members of the Pennsylvania Chapter in Blossburg, PA on June 7.

Road-E-Os are a great way to recognize and celebrate the men and women in the solid waste field who are the backbone of the industry . . . the operators and drivers of solid waste vehicles. It is a way to acknowledge an employer's best operators by giving them an opportunity to have a different experience, to meet their peers in other jurisdictions or companies, and to compete to see who is the "best" among the group. "Best" is in quotes as it does entail some amount of good luck too, as the results depend on the condition of the field for the landfill equipment (e.g., muddy and rutted), the familiarity with the equipment to be driven, the weather, etc.

Depending on how many register for each, the following events may be available:

- Landfill equipment: dozers, landfill compactors, wheel front-end loaders, articulated dump trucks.
- On-the-road vehicles: roll-off trucks, rear-end or front-end compactor trucks, recycle trucks.
- Mechanics competition

Even though it is a trek to the site for the operators in Maryland, Delaware, and the District of Columbia, road-e-o's are a fun event, even in the rain or heat. We ask that the Mid-Atlantic Chapter members seriously consider sending contestants and/or volunteers, and/or becoming sponsors in order to support the 2019 Regional Road-E-O. Whenever it has been held in Maryland, the members of the other two chapters have been very supportive with contestants, volunteers, and sponsors.

Besides contestants to drive/operate and compete, there are needs for:

- Volunteers to be judges, scorekeepers, "gophers," etc.
- Sponsors for financial support for which you are recognized with an ad in the program, signs at the event, etc. and/or for giveaways in the contestants' bags or for raffles at the dinner on June 6.

Following is the link to the Pennsylvania Keystone Chapter's website for more information on registering as a contestant, volunteer, or sponsor, as well as the registration form. **Early bird registration deadline is May 1 for contestants.**

<http://keystoneswana.org/Mid-Atlantic-Regional-Road-E-O>

For information about past road-e-o's, contact Steve Lippy [s.lippy@verizon.net](mailto:s.lippy@verizon.net) or Tim Ford [tford@menv.org](mailto:tford@menv.org). The [Mid-Atlantic Chapter's website](#) has information from the 2018 Road-E-O.

For specific information or questions regarding the 2019 Road-E-O, please visit the [PA Keystone Chapter's website](#).

**SUPPORT OUR REGIONAL ROAD-E-O on JUNE 7, 2019**

# 2019 Mid-Atlantic Regional Road-E-O

**Friday, June 7, 2019**

Northern Tier Solid Waste Authorities Landfill #1  
540 Old Bloss Road  
Blossburg, PA 16912

**Thursday, June 6**

Cocktails at 5:30 pm, Dinner at 6:30 pm

Lambs Creek Food and Spiritz, Mansfield, PA

**Friday, June 7**

Registration/Light Breakfast

Road-E-O Events

Lunch and Announce Winners

Questions regarding registration:

Chanda Martino  
866.467.9262  
Chanda@keystoneswana.org

Questions regarding the events:

Scot Sample or Trisha Wilkinson  
570.297.4177  
ssample@ntswa.org  
twilkinson@ntswa.org



Register at  
[www.KeystoneSWANA.org](http://www.KeystoneSWANA.org)



## SWANA Mid-Atlantic Chapter Scholarship Eligibility

A candidate must be sponsored by a Mid-Atlantic Chapter member, or shall be a Mid-Atlantic Chapter Student Member, in good standing at the time of application, selection, and award. The following table summarizes the available scholarships at the Chapter and International level based on a candidates "relationship" to the Chapter and the year of college they are entering:

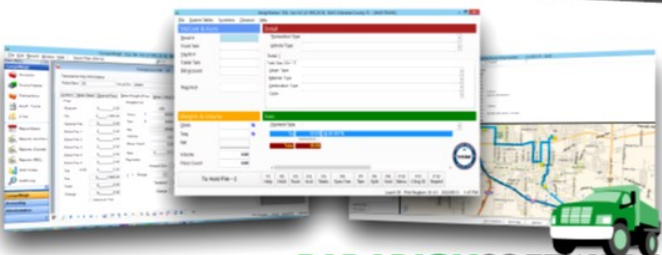
	College Freshmen	College Sophomores	College Juniors/Seniors	Graduate Students
<b>"Relationship" to Chapter</b>	Graduating high school seniors or graduate equivalent certified candidates who have been accepted for enrollment in a junior college, a four-year college, or a university (any program).	Currently enrolled full-time college or university students who are entering their sophomore undergraduate year (any program).	Currently enrolled full-time college or university students who are entering their junior or senior undergraduate year and pursuing a degree in environmental science, engineering, or other suitable major related to the field of solid waste management.	Currently enrolled full-time college or university students who are entering or in graduate school and pursuing a degree in environmental science, engineering, or other suitable major related to the field of solid waste management.
1. A Mid-Atlantic Chapter Student Member.	• N/A	• Category IA (Chapter)	• Category II, IIB*(Chapter) • Category II (International)	• Category III, IIIB* (Chapter) • Robert P. Stearns/SCS Engineers
2. The child or grandchild of a Mid-Atlantic Chapter Member.	• Category I (Chapter) • Category I (International)	• Category IA (Chapter)	• Category II, IIB*(Chapter) • Category II (International)	• Category III, IIIB* (Chapter) • Robert P. Stearns/SCS Engineers
3. Someone who is employed, interns, or volunteers in the solid waste field in MD, DE, or DC.	• Category I (Chapter)	• Category IA (Chapter)	• Category II, IIB* (Chapter)	• Category III, IIIB* (Chapter)
4. The child or grandchild of someone who is employed, interns, or volunteers in the solid waste field in MD, DE, or DC.	• Category I (Chapter)	• Category IA (Chapter)	• Category II, IIB*(Chapter)	• Category III, IIIB* (Chapter)
5. SWANA Member	• N/A	• Category IA (Chapter)	• Category II, IIB*(Chapter)	• Category III, IIIB* (Chapter)

The Mid-Atlantic Chapter will submit the application of the most-qualified candidate from each eligible category to SWANA International for consideration for the Grant H. Flint International Scholarship Awards Program. \* Represents a full-time employee (> or = 35 hours/week) Solid Waste Management & Recycling Industry (SWMRI) employee and a part-time student (< or = 12 credit hours/sem) also meeting the respective category II or III eligibility criteria, as noted in the table, above.

# 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) and [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 Web Sessions: If your organization presents web sessions, make them a Chapter event so that all attendees can get CEU’s. Contact Steve Lippy, Dana Murray or Shirl Wright.
- ◆ Job Vacancies in your Organization: Contact [swright@nmwda.org](mailto:swright@nmwda.org) for inclusion in our Chapter newsletter and website.
- ◆ 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: The Chapter is currently looking for an organization to sponsor the highest scoring candidate. The sponsor could be any organization and can suggest a name to be given to the award. The Chapter will accept an annual sponsorship of either \$500, \$1,000, \$1,500 or \$2,000. Please contact Steve Lippy or Mehal Trivedi.
- ◆ Name(s) of Prospective SWANA Members: Contact either our Chapter Membership Chair, Deji Fawole [dfawole@scsengineers.com](mailto:dfawole@scsengineers.com) 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 ad in a JPG or PDF file to [swright@nmwda.org](mailto:swright@nmwda.org). Please make check payable to: **Mid-Atlantic Chapter of SWANA** and mail to the attention of Shirl Wright at NE MD Waste Disposal Authority, 100 S. Charles Street, Tower II - Suite 402, Baltimore, MD 21201-2705.
- ◆ American Academy of Environmental Engineers and Scientists: If you are an environmental engineer or environmental scientist, you are eligible to become a member or to be certified in solid waste management by the American Academy of Environmental Engineers and Scientists. See [www.swana-midatl.org](http://www.swana-midatl.org) or [www.aees.org](http://www.aees.org).

**The CompuWeigh System**  
Software That Outweighs the Competition



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[paradigmsoftware.com](http://paradigmsoftware.com)

**PARADIGMSOFTWARE**  
The Standard in Weighing and Routing Software

**2019 Scholarships**  
Application Deadline is May 1<sup>st</sup>



Visit the Chapter Website for more info.  
[www.swana-midatl.org](http://www.swana-midatl.org)



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Solid Waste Association of North America

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April 15, 2019

We're on the Web!  
[www.swana-midatl.org](http://www.swana-midatl.org)

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## **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.”***