



SWANA[®]

SOLID WASTE ASSOCIATION
of North America

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Mid-Atlantic Chapter Solid Waste Association of North America

SOLID WASTE NEWS For Waste Professionals

September 5, 2007

President's Message

By: Steve Lippy

Historically, our Chapter has organized one-day seminars with different speakers on various topics at a very nominal cost to participants. However, we are going to try a different track of presenting seminars this year...SWANA courses that have been developed by SWANA's various technical divisions. Unfortunately, due to the cost in developing these, the registration costs will be greater; however, we anticipate that their being geared towards specific topics may be more useful and beneficial to our members, including providing the necessary CEU's for those who are certified. Please complete a survey for each organization!

Stay tuned!

Hope to see everyone sometime during the year.

Operator of the Year Award

There is still time to submit nominations for the 2007 Mid-Atlantic SWANA Operator of the Year Award. Nominations should be submitted on county or company letterhead and sent to Jerry Scanlan by September 10, 2007, by e-mail to gpscanlan@harfordcountymd.gov or by fax to 410-638-4019.

This year's award will be presented at the annual meeting on September 19, 2007.

Mid-Atlantic Chapter Annual Meeting

September 19, 2007
10:30 a.m.

Glenwood
Community Center
Cooksville, MD

See details on page 2...

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SWANA Mid-Atlantic Chapter Annual Meeting

DATE: Wednesday, September 19, 2007
TIME: 10:30 a.m.
LOCATION: Glenwood Community Center
2400 Route 97, Cooksville, Maryland
(south of I-70 in Howard County)

Please note that non-SWANA members are welcome to attend the business meeting, lunch and tours.

AGENDA

Business Meeting

- Committee Reports
- Bylaws Revision Vote - The proposed amendments to the bylaws were e-mailed to members on August 16, 2007 . If you need another copy, please contact Shirl Wright, swright@nmwda.org or Joyce Redman, jredman@baltimorecountymd.gov
- Slate of Officers/Directors Vote

Tour of Glenwood Center

Catered Lunch (probably early, by 11:30 a.m.)

Drive to MRF and Transfer Station (approx. 30 minutes). Carpooling will be necessary and arranged during lunch.

Presentation on Montgomery County MRF and Transfer Station

Tour of MRF and Transfer Station

REGISTRATION for Mid-Atlantic Chapter Business Meeting, and/or Lunch, and/or Tour DUE BY WEDNESDAY, SEPTEMBER 12, 2007

Name(s): _____

Organization: _____

Telephone number: _____

I / We will attend the business meeting: _____

I / We will want to buy lunch (< \$15) at Glenwood Center: _____ (pay at door)

I / We will attend the Montgomery County tours: _____

Note: There is limited parking, so carpooling will be required.

Completed registrations should be sent to Shirl Wright, email: swright@nmwda.org or fax: 410-333-2721.

If you can not attend the meeting, please submit a completed proxy form, in regard to the Bylaws Revision Vote and Slate of Officers/Directors Vote.

Chapter Board of Directors' (BOD) Meeting

Following are some of the discussion items from our recent meeting, held on August 15 at the offices of Maryland Environmental Service.

- The International Road-E-O committee is looking for volunteers to assist in the planning and coordination of the Saturday, September 29 Road-E-O at Cape May, NJ, as well as reviewing the Road-E-O manual.
- The Chapter has donated \$250 for a Bronze sponsorship for the Road-E-O.
- We agreed to accept \$1,500 per year for the past three years as our revenue for participation in the joint conference with MRC (Maryland Recyclers Coalition).
- Robin Ennis will be chairing a subcommittee to work with MRC on conducting the annual joint conference, as well as developing a formal agreement with MRC.
- Many thanks to Dana Murray for coordinating the crab feast. Next year we will do a separate notice just on the crab feast in an effort to boost attendance.
- MOLO date was set for January 15-17, with the certification exam on 18th, hopefully located in Harford County.
- Before deciding on any other partnering events with SWANA, we decided to do the e-mail survey to members to try to determine interest.
- Membership roster will be typically revised by Aigen Zhao on a quarterly basis.
- Scholarship checks and letters have been distributed.
- Students who work part-time in solid waste field will be eligible for Chapter scholarship. [Criteria to be established.]
- The list of officer/director nominees for FY08 were approved; there is presently still a director vacancy. We will accept nominations from the floor. (See slate of officers/directors listed below.)

FY 2008 Chapter Officers/Directors Nominees

Nominees for FY 2008 for Chapter Officers/Directors: (Note: The one new nominee to the Board is Pete Bieniek, Chief of Solid Waste in Cecil County, MD)

President:	Stephen Lippy (Baltimore County)
Vice President:	Robin Ennis (NMWDA)
Secretary:	Robin Roddy (DSWA)
Treasurer:	Liz Smolen (Prince George's County)
IB/Chapter Director:	Doug Sawyers (Malcolm Pirnie)
Past President:	Mike Houlihan (GeoSyntec Consultants)
Director:	Pete Bieniek (Cecil County)
Director:	Hallie Clemm (DC DPW)
Director:	Frank Henderson (Harford County)
Director:	Dana Murray (SCS Engineers)
Director:	Steve Tomczewski (MES)
Director:	Evelyn Tomlin (Howard County) (IB Alternate)
Director:	Mehal Trivedi (Frederick County)
Director:	Aigen Zhao (Tenax Corp.)
Director:	Vacancy

As noted above, there is presently one slot without a nominee, though the Nominating Committee may nominate someone from the floor. Other nominations from the floor can be done also.

Montgomery County Transfer Station

The Transfer Station receives a large portion of the Municipal Solid Waste (MSW) generated in Montgomery County, Maryland a region covering approximately 500 square miles with a population of over 960,000. The station consists of a main transfer building where MSW is accepted and processed; the scale house; the maintenance building; the rubble materials management area; the Public Unloading Facility (PUF); the recycle drop off area which accepts yard waste, scrap metal, reusable building materials, old computers, and miscellaneous recyclables; and a household hazardous waste temporary storage facility.

The Transfer Station uses intermodal containers to transport burnable waste to the Waste-to-Energy Facility, also called the Resource Recovery Facility (RRF), near Dickerson, MD. Front end loaders push waste to four hoppers that feed four compactors situated just below the Transfer Station tipping floor. The compactors push out a log of waste into containers that each hold about 27-30 tons and have a 67 cubic yard capacity. The containers are then taken by truck to the rail yard where they are loaded onto specially designed rail cars that each hold two containers stacked one above the other. The Mi-Jack cranes span the two sets of rail tracks. The cranes that stand 70 feet can lift up to 45 tons. These cranes handle most of the containers. A side loader is also used for moving empty containers from truck chassis to staging locations.

The main transfer building is open six days per week for receipt of waste, and is operated under contract by Covanta of Montgomery, Inc. The County currently receives and loads out over 600,000 tons of waste per year at the Transfer Station, not including recyclable material such as yard waste, scrap metal, and clean rubble such as concrete, asphalt and dirt.

Non-burnable waste such as sheet rock; shingles; and mixtures of rubble, trash and wood that cannot be recycled are loaded into walking floor

trailers, tip trailers or containers set on chassis and transported to a contracted landfill in Brunswick County, Virginia. Clean loads of concrete, asphalt, dirt, brick and block, and straight tree sections (received in separate bays or areas of the rubble materials management area) are taken to rubble recycling facilities.

The PUF accepts both waste and recyclable materials from County residents who come to the site in passenger vehicles. These vehicles have a separate entrance and do not mix with truck traffic. There are containers for a variety of recyclable materials and tractor trailers for waste. Waste containers are brought to the main transfer building for processing. Recyclable materials are removed on a regular basis and taken to either the Materials Recycling Facility (MRF), also called the Recycling Center, which is located adjacent to the Transfer Station, or other areas for processing and distribution, depending upon the product. Yard waste is processed through a tub grinder and sent to the Dickerson Compost Facility. Brush is ground separately and the resulting mulch is given away to citizens and sold to commercial entities. The PUF is open seven days a week.

The Drop Off area accepts yard waste from the County's curbside collection program, landscapers and citizens. The area also accepts scrap metal, tires, mattresses, textiles, usable building materials, oil, antifreeze and car batteries. This area is open seven days a week to citizens and six days week to commercial vehicles with yard waste and certain other recyclable materials. The PUF and Drop Off areas are operated under contract by Maryland Environmental Service.

Total area of the complex (MRF included): about 50 acres; Transfer Station construction in 1981-1982; Annual Operating Cost (excluding Covanta's costs that are included in RRF operations costs) = approximately \$2.2 million.

Montgomery County Recycling Center

The center receives all residential aluminum, glass, plastic and steel containers (commingled material), as well as mixed paper (e.g., newspaper, magazines, cardboard, telephone directories, etc.) collected through the County's curbside recycling program.

Recycling collection trucks contain two compartments, one for collection of mixed paper and the other for collection of commingled materials. Haulers pick up blue bins full of recyclable containers that are commingled and not separated, as well as mixed paper that residents place in wheeled 64 gallon carts. Each material is weighed at the Recycling Center's scale house when the trucks arrive. Commingled material and mixed paper are unloaded in separate areas of the center's tip floor. Mixed paper is then loaded onto tractor-trailers and sent for processing to Office Paper Systems, Inc., in Gaithersburg.

A front-end loader pushes the commingled material onto a conveyor that carries the material from the tip floor into the processing area for separation. Separation of commingled material occurs via manual and mechanical separation.

Material is first pre-sorted by hand to remove items that are not recycled at the facility, such as plastic film bags. Sorters here also recover some recyclable items, such as plastic containers with #3 through #7 resin marks and aluminum foil, that are processed separately. As the recyclable material travels past the pre-sort station, steel cans are removed by an electromagnet and then discharged onto a conveyor, ultimately leading to a storage silo. The remaining material travels on a screening machine where small pieces of broken glass fall through openings in the screen. The remaining material then proceeds to a trammel, via conveyor, where more small broken glass pieces are separated. The trammel also has a magnet to capture any ferrous cans that the electromagnet missed. Aluminum, plastic and the remaining large glass move into an air classifier where blower motors generate strong upward air currents to lift the lighter aluminum and plastic. The heavier unbroken glass containers and large pieces of glass fall onto a conveyor, moving to the glass-sorting platform where they are separated manually according to color. The air currents move the aluminum and plastic to a cyclone, where the material gently spins downward. Then, a perforator shreds the containers to remove air and a flat-

tener mashes the containers for easier sorting and storage.

Aluminum and plastic then emerge onto a conveyor, where plastic is manually separated by type and sent by blower motors through conduits to storage silos. Aluminum moves to another conveyor, where eddy currents cause an electromagnetic field in the aluminum similar in charge to the eddy currents. Aluminum "pops" off the conveyor across a divider in the chute at the end of the line, while other materials simply fall on the other side of the divider nearer the end of the conveyor. The aluminum ultimately falls into a chute where air currents move the material through conduits to storage silos.

Installation of an additional conveyor occurred in March 2006, allowing sorters to recover recyclable material that has not been captured before all material falls onto the residue belt leading to the residue compactor.

Plastic, steel and aluminum are baled. When a silo is full, its contents are discharged to a conveyor feeding one of two double-ram balers. Glass is not baled, but is stored in bunkers behind the building and then sent by trailer to market. The County receives 100 percent of the revenue from the sale of the commingled material.

- Address: 16105 Frederick Road, Derwood, MD
- Date of Initial Operation: August 1991
- Square Footage, Tip Floor and Processing Area: Approx. 57,150 square feet (includes 7,150 square foot expansion to tip floor completed in 2001)
- Original Capital cost (Design, Equipment & Construction): Approximately \$9,000,000
- Current Processing System Cost (Installed Summer 2002): \$2,750,200
- Operations Contractor: Maryland Environmental Service
- Tons of Commingled Material Received (Includes Residue): Approximately 26,084 tons for the period between 1 July 2006 through 30 June 2007
- Tons of Mixed Paper Received (Includes residue): Approximately 77,807 tons for the period between 1 July 2006 through 30 June 2007
- Number of Employees at the Recycling Center: 40

Employment Announcements

Engineer II (Solid Waste) Refuse Disposal Division, Bureau of Solid Waste Management Department of Public Works, Baltimore County

Minimum qualifications-Bachelor's Degree in Engineering and two years engineering experience (Qualifying education may be substituted for experience) or P.E. license. 35 hour work week, possible alternate or flexible work schedule, generous annual leave [12-25 vacation days (one day per month for first year), 15 sick days, 6 personal leave], 10 -11 holidays; educational, training, and professional opportunities. Salary effective July 1, 2007: **\$46,684 to \$58,032**, with longevity steps to \$74,142. Various and diverse office and field duties involving engineering, environmental monitoring, and regulatory compliance associated with operations and construction projects at one active municipal sanitary landfill (owned and operated by the County), as well as at closed landfill sites (located throughout the County) and other County solid waste facilities, to include, but not limited to, performing civil design, administrating contracts and overseeing consultants and contractors, coordinating with other Bureau divisions and regulatory agencies, writing reports, performing site inspections, attending meetings with public and regulatory agencies.

For more information, please contact Stephen G. Lippy, P.E., DEE, Refuse Disposal Division Chief, 410-887-2009 or slippy@baltimorecountymd.gov. Applications can be submitted on-line by visiting www.baltimorecountymd.gov. Click on the "JOBS" tab in the right hand corner for a listing of current job vacancies. For information about County benefits, job description, and application, go to <http://www.baltimorecountymd.gov/Agencies/humanresources/jobs/index.html>.

Consultant Gershman, Brickner & Bratton, Inc.

Gershman, Brickner & Bratton, Inc. (GBB), a solid waste management consulting firm, is seeking to add a full-time consultant to work in our Fairfax, VA, office. Perform work assignments, such as research, data collection, certain analyses, report preparation, and/or marketing activities, as directed by project manager or supervisor.

Qualifications

- Education: Bachelor's degree with course work in solid waste management or environmental science-related field preferred.
- Experience: One to five years of solid waste/environmental experience preferred, but will consider less.
- Demonstrated written and oral communication skills and proficiency with Microsoft products, i.e., Outlook, Word, and Excel.
- Ability to travel, as needed, to perform assignments.

Office near Gallows Road/Route 50 in Fairfax; free parking; excellent benefits. If interested, please e-mail your résumé and salary history to pravenelle@gbbinc.com. EOE, M/F/V.

Senior Project Manager Gershman, Brickner & Bratton, Inc.

Gershman, Brickner & Bratton, Inc. (GBB), a solid waste management consulting firm, is seeking to add a senior project manager with proven client management experience. This is an opportunity to participate in GBB's growth and ownership.

Qualifications

- Education: Bachelor's degree with course work in a related field; graduate degree a plus. Experience may be substituted for educational requirements.
- Experience: Five or more years of progressively responsible solid-waste-related experience.
- Must have served as a project manager or task manager for feasibility studies, solid waste management plans, recycling plans, procurements, waste characterization work, markets studies, technology evaluation, siting studies, environmental impact statements/assessment, permitting, negotiations, or financing analysis). Must be knowledgeable in the application of computer models.
- Authored or co-authored three or more papers or articles pertinent to the field.
- Must have made formal presentations outputs to clients.

Must have an established set of professional contacts in the field consisting of both public and private industry.

Office near Gallows Road/Route 50 in Fairfax; free parking; excellent benefits. If interested, please e-mail your résumé and salary history to pravenelle@gbbinc.com. EOE, M/F/V.

International Road-E-O

The 2007 International Road-E-O, hosted by the Cape May County Municipal Utilities Authority (CMCMUA) and the New Jersey, Mid-Atlantic and Keystone SWANA Chapters will be held on September 28 & 29, 2007 at the Cape May County Municipal Utilities Authority. Only 2007 Regional Road-E-O 1st and 2nd place winners are eligible to participate.

Additional information can be found on the Chapter website, www.swana-midatl.org and clicking on the "Road-E-O" tab.

Chapter Membership Directory

If you would like to receive a copy of the directory by e-mail, please contact Aigen Zhao, Membership Chair, at azhao@tenax.com.

If you have a correction/addition/deletion, also contact Aigen. In addition, please make the necessary correction to the member profile section on the SWANA website at www.swana.org.

Web Survey Training Needs

On August 16, 2007, chapter members were e-mailed an on-line survey regarding SWANA Training courses. We are hopeful that every organization will complete one survey to represent all of its members. This will assist us with planning seminars for the next year and beyond.

If you have any questions, please contact Steve Lippy.

If you have any problems completing the on-line survey, please contact Shirl Wright.

SWANA's WASTECON 2007

**Reno-Sparks Convention Center
Reno, Nevada**

**Conference Training & Events
Start October 14, 2007**

**Conference & Exhibition
October 16-18, 2007**

**For additional information on this event
please visit <http://wastecon.swana.org>**

Reminders / Wanted

- ◆ “Reporters”/writers for our Chapter newsletter.
- ◆ Important Websites to Remember: www.swana.org, www.swana-midatl.org & 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 for inclusion in our Chapter newsletter.
- ◆ Articles, information, recent/on-going projects of interest, active purchase orders, etc.: Contact swright@nmwda.org to be placed in our Chapter newsletter.
- ◆ Scholarship Sponsors: Contact Steve Lippy, Mehal Trivedi, Hallie Clemm or Aigen Zhao.
- ◆ Name(s) of Prospective SWANA Members: Contact either our Chapter Membership Chair, Aigen Zhao (azhao@tenax.com) or Dave Hernandez at SWANA (dhernandez@swana.org), or direct the prospective member to SWANA's website (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.

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Board Meetings Tour Ideas

Often during the year we schedule a tour after our Board meetings.

If you have a facility which you wish to “show-off” or know of one which would be interesting to tour, please let us know.



Mid-Atlantic Chapter
Solid Waste Association of North America

c/o Northeast MD Waste Disposal Authority
Tower II - Suite 402, 100 South Charles Street
Baltimore, Maryland 21201-2705

Shirl Wright, Newsletter Editor
swright@nmwda.org



We're on the Web!
www.swana-midatl.org

September 5, 2007