Talking... TRASH

The Newsletter of the SWANA Florida Sunshine Chapter Spring 2018

Celebrate 40 Years!

SWANA FL 2018 Summer Conference

July 15-17 | PGA National Resort | Palm Beach Gardens

Register online at www.regonline.com/swanafl2018

Letter from the President

April 2018

It's an exciting time for SWANA! As you may have heard, SWANA just reached 10,000 members for the first time in its history. With chapters throughout the United States, Canada and the Caribbean, I'm proud to say that Florida remains the largest single SWANA chapter.

For a little history, the Florida Sunshine Chapter was founded in 1978 with 7 members. Its first membership drive/conference was held in February 1979 in Apollo Beach, which produced 40 new members. In 2018, we celebrate our 40th anniversary and serve more than 600 members statewide! But that doesn't mean that we can rest on our laurels. With several other chapters biting at our heels, we can use your help to recruit new members and retain those we have.

SWANA is also embarking on some sweeping changes to its governance structure to make the organization more nimble, better comply with best practices of professional organizations, and implement SWANA's strategic plan. Instead of an International Board consisting of 70+ members with a smaller Executive Committee, there will be a 21-member Board of Directors and an Advisory Board that consists of a representative from each chapter. The Board of Directors will have voting power and will include a representative from each of the 13 new regions (we previously had 5). The Advisory Board will be just that (without voting power) and will meet once a year at WASTECON.

What does this mean for us? Florida is currently in a region with the southeastern states up to Virginia. Under the new structure, we will be in a region comprising just us and the Caribbean. You should expect to see bylaw modifications that require membership approval and are needed to implement these changes. A lot of work has been done to get to this point over the last couple of years and I have been in on most of the discussions, so don't hesitate to contact me if you have any questions.

For those of you who missed it, we had a great joint winter conference with RFT in Lake Buena Vista with more than 200 attendees—thanks to everyone to who attended, exhibited, and/or sponsored this conference. Our chapter Road-E-O will take place at the Seminole County Landfill from May 4 – 5, so register now to compete or attend this great event. Our summer conference will be at the PGA National Resort in Palm Beach Gardens from July 15 – 17 so be sure to put that on your calendar. We are working on a dynamic program that includes a tour of SWA's premier facilities to celebrate our 40th anniversary! I hope to see you there.

Sincerely,

Tammy L. Hayes
SWANA FL Chapter President

In This Issue

Commercial Recycling: What's a Waste Assessment Got to Do with It?

Miriam Zimms, Kessler Consulting, Inc.

Waste diversion and prevention should be a cornerstone in any company's sustainability plan to reduce garbage generation, increase composting and recycling, and incorporate environmentally preferable purchasing. The same holds true for local governments seeking to expand program plans into the commercial and institutional sectors. A Visual Waste Assessment (VWA) provides a comprehensive overview of the waste stream from generation to disposal. It is the important first step to design and implement programs to manage, divert, and prevent waste in commercial and institutional facilities.

The purpose of a VWA varies based on priorities for the owner, regardless of the facility size. A VWA can help any business plan a successful program, and it has the largest economic impact for large facilities generating a lot of waste. These priorities have benefits such as more environmentally sustainable operations, reduced product toxicity and generation, market positioning, waste and cost reduction, improved green purchasing practices, or all of these. Essential

to assessing and developing any waste prevention program is a clear understanding of solid waste definitions for prevention and waste diversion (see Figure 1)

Know What's in Your Waste Stream

Every decision maker needs to understand that knowing what is in your waste stream is the critical step in diverting more waste from disposal. In other words, you need to know what you have before deciding how to proceed to ensure sustainable, effective prevention, and diversion. Because all garbage is local, collection services and markets found in one community may not be the same elsewhere. Every VWA will have unique features and recommendations.

VWAs are qualitative and are performed by a walk through and visual observation in garbage/recycling containers, and dumpsters both inside and outside. VWAs identify opportunities for waste prevention and reduction, dumpster management, and right sizing containers. Employee input is used to assess participation and identify opportunities. Employee feedback is also an opportunity to improve and sustain the program. VWAs can be performed by company or local government staff or third-party consultants. Third-party consultants are independent and not in a position to sell collection services, haul waste, operate a disposal or recycling facility, or sell containers and dumpsters or services having a direct impact on the evaluation.

The seven critical steps required to design and implement a successful VWA are:

1. Develop the project team
2. Define building layout and materials flow
3. Collect employee input/feedback
4. Review contract and data
5. Perform onsite assessment
6. Prepare analysis and findings
7. Implement and sustain

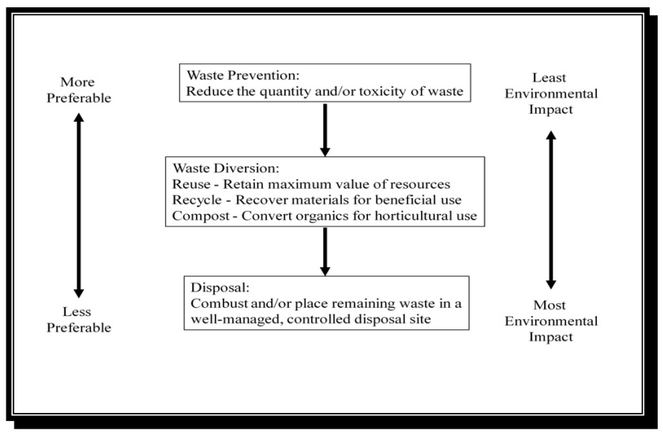


Figure 1 - U.S. Environmental Protection Agency.

Long-Term Success

For long-term success, programs need to be designed to outlast staff changes and keep up with emerging industry and market trends in order to maximize impact. A waste and recycling program is like a safety program. It needs constant promotion, ongoing awareness, specific education, and results reported to executives. Without the participation of the program end-user, an initiative cannot successfully meet goals and reduce costs. Workers need to understand how their daily activity impacts the broader environmental and economic impacts to the building and local community's environmental program. Properly training local government staff is key to bringing waste assessment programs to the commercial sector to help meet your communities' or organizational goals.

Miriam Zimms, Kessler Consulting, Inc. (Tampa, FL). Over the course of her 22-year career, Miriam has trained numerous environmental professionals from local governments, corporations/institutions, EPA, SWANA, and the USGBC members on performing successful visual assessments leading to sustainable waste prevention/reduction programs. She has been performing waste assessments in the commercial, institutional, utility, military, entertainment/sports, and government sectors throughout Florida and the Southeast since 1992. For more information, visit www.kesconsult.com.

SWANA FL Scholarship Program - Apply by June 1st

PURPOSE: The Florida Sunshine Chapter of SWANA established a Scholarship Fund to assist deserving students in obtaining a post-secondary education as long as certain requirements are met.

AMOUNT OF SCHOLARSHIP: Two scholarships will be awarded. Each scholarship will be valued at $2,000 per student, per school year. It will be awarded in increments of $1,000 each, for two semesters, upon receipt by the Board of Directors of the SWANA Florida Sunshine Chapter of student status documentation. Payment will be made in the form of a check, payable to the student, to be used for tuition, books, fees, school supplies and/or living expenses as needed.

Additional information, including eligibility requirements and application, can be found online at http://www.swanafl.org/page-1134605

Three Additional $5000 Scholarships are Available

In addition to the Florida SWANA student scholarships, three additional scholarships are available through SWANA International (https://swana.org/Awards/ScholarshipsInternships.aspx). To apply for these scholarships, students need to submit their complete application to info@swanafl.org by May 1st. The Florida Chapter will review and score the applications based on eligibility criteria provided in the application packet. After scoring, the Florida Chapter will submit one candidate per category to SWANA International for consideration.

A Young Professional's Take on Joining the Waste Industry

Matthew Schafer, M.E., E.I., HDR Engineering, Inc.

Solid waste management is probably not the most conventional career path that comes to mind when we consider the young professionals embarking into today's workforce. Growing up, I would always envision attorneys, physicians, or financial consultants dressed in suits and ties when I would hear the term "young professional" being used. Nevertheless, at some point, everyone reading this newsletter turned out to be one of the 400,000 professionals that shape a near $60 billon dollar solid waste industry in the United States. Whatever circumstances led us to become a part of the waste business, I'd be willing to bet that garbage wasn't a component of any master career plan held by most folks when they set out in search of a full-time trade or occupation.

To be honest, I didn't predict a career in solid waste either, but by the tail end of graduate school I was convinced that my first full-time job would involve some aspect of waste or materials management. It started with a course on solid waste management during one of my undergraduate semesters in engineering. Throughout this course I began to think about some things that were previously foreign concepts. Things like, "Oh so there's more that happens after I roll my trashcan out to the street?" and "Wow the world isn't getting any bigger in size, but we're producing more waste," or my personal favorite, "What do you mean I can't recycle this pizza box?" This naïve train of thought revealed to me a world of problems that would need solving in the future, and they all were centered on how the next generation would manage the growing amount of waste it will inevitably produce. I knew that engineered solutions would become an integral part of managing that growing waste stream, so. for me, the writing was on the wall from that point forward.

Fortunately, the economy was in a strong position while I finished up my engineering degree, and an employment offer followed not long after.

Fast forward one year, I now have enough practical industry experience to consider myself a true "young waste professional." Many of my prior predictions about the industry turned out to be accurate—there are dozens of technical and non-technical challenges that are introduced every day, and most are centered on a growing waste stream. But other realities of the industry took me by complete surprise. For instance, the paradigm shift from disposal to diversion efforts, a rapidly volatile recycling market (e.g., the immediate effects of the recent Chinese import ban), and the challenges with the development of new landfill sites. I suspect there are other young professionals at this very moment who are discovering similar industry peculiarities of their own, and beginning to wonder what the next 50 years of solid waste management will entail, and how they can use their skillsets to advance the industry. Perhaps the most inspiring observation I've made in my professional tenure to date is knowing that the wave of engineers, scientists, planners, and operators entering the industry today will become stewards to address the environmental challenges facing the next generation of professionals and beyond. Personally, I look forward to gaining competency from the current industry professionals with years of experience, and collaborating with newer industry peers to tackle these challenges as they arise.

Matthew Schafer, M.E., E.I., is an Environmental Designer for HDR Engineering. He can be reached at (954) 331-0920 or e-mail Matthew.Schafer@hdrinc.com.

Commentary: It's the Little Things

Stanley Gray

In every aspect of work and life, we conduct our activities through procedures. How we wash our clothes, cook our food, or perform everyday work tasks. In many cases we do not follow those procedures. Procedures are guides to follow when performing an activity. It could be something as simple as filling out a form. When we do not follow those procedures, we have consequences that may occur. At home, someone may get upset because you didn't put something away.

Certainly, there is a reason for putting it away. Sometimes it just creates more work for someone else or poses an undesirable condition. One of the consequences is someone gets upset. That can have a domino effect and create a more undesirable condition. Another example, would be cooking. A meal could easily end up a disaster just because the procedures for preparing the meal were not followed. You could even get someone very ill, from cross-contamination or uncooked food.

At work, not following procedures is common practice. It's simple things like speeding, (NOT) using communications, keeping cables tight, pushing instead of pulling, blowing out equipment, cleaning off boots, or filling out paperwork.

I have observed that employees do not consistently follow procedures. Generally, when someone is watching them or they deem it necessary at that moment, they will then follow the procedure. A simple procedure of announcing over the radio a driver's intent or blowing the horn is commonly skipped. Procedures are left for the most part up to the individual's discretion. Consider the environment of a landfill—procedures are constantly modified to accommodate the changing conditions. An experienced operator will know what procedure to use to accomplish their task. So, when you have an incident, an employee is ultimately held accountable for the incident and it is considered human error. That is too late!

Procedures are in place to prevent incidents. How can you be certain that the employee will choose the appropriate procedure and follow it consistently? It comes down to accountability. Most incidents are a result of a lack of this. To prevent incidents, we must take a hard look at the written procedures we have in place and the understood procedures developed through on-the-job training and experience. Employees must be held accountable long before incidents occur. In addition to accountability, employees must be trained in the procedures, establish clear expectations, and follow through on enforcement (the weakest link of any safety program). Employees are given passes on the little things because supervisors have a fear of employees resigning. I challenge all supervisors, which would you rather do, lose an employee who doesn't follow procedures through injury or death, or through resignation? I welcome you to share your experiences. These are "The Little Things!"

Stanley Gray, OHST CET COSS, is a Safety Technician at the Perdido Landfill in Cantonment, FL. He can be reached at (850) 791-3697 or e-mail stanleygray10@gmail.com.

Complexities of Managing a Deep Dynamic Compaction Project for the Green Developer

Ali Khatami, Ph.D., P.E., SCS Engineers

In south Florida, rising prices of vacant land and unavailability of large parcels of virgin land for development have forced land developers to look into developing old and newly filled lakes. The land price for these lakes is significantly lower than the virgin land and deals are arranged to incorporate the cost of improving the lakefill land into a developable land in the purchase price. Aside from environmental issues that are handled by environmental engineers in relation to obtaining development permits, the ground itself must be improved to sustain the stability needed to bear the proposed development load. Deep Dynamic Compaction (DDC) is proven to be the most economical option for low rise and lightweight developments, such as commercial or industrial warehouses.

Figure 1 - Dynamic compaction crane and weight.

Design Methodology

The model developed for the Federal Highway Administration (FHWA) report entitled "Dynamic Compaction, Geotechnical Engineering Circular No. 1", by Robert G. Lukas, dated March 1995, is the primary basis of most DDC programs. Experience of the engineer with the type of the material below the surface is important because the type of material plays an important role in selecting the DDC design parameters used in the model. The design methodology considers four categories of materials: pervious grained soil, semi-pervious soil, partially saturated impermeable deposits, and landfills. The fourth category, landfills, covers waste materials in old landfills but also the material used to fill lakes to create land for new development at a later date.

The material going into a lake may vary depending on the age of the fill placed in the lake. Older lakes filled with debris may include materials that today would never be allowed; while newer lakes are in accordance with state or local regulatory agency environmental permits, which follow a monitoring protocol during filling. The debris in newer lakes may consist of concrete debris, soils, tiles, and any other types of materials classified as clean debris in accordance with the material definitions in the rules.

Parties Involved

There are three primary parties involved in this type of brownfields work including the developer, the banker, and the future buyer. Each party has a learning curve to understand and protect their interests. The developer is the most cautious group because they, very rightfully, have reservations regarding the effectiveness of DDC on the planned investment.

Process Involved

Engineers will need several one-on-one and one-on-group teaching sessions with the developer's primary engineer in charge of the project, and gradually meeting with the engineer's boss, project director, and, eventually, the executives of the developing firm. Past successful experience with similar projects play a very important role in justifying the DDC methodology; engineers need to have accurate data and unit costs in tabulated form as part of their arsenal for convincing those in the learning curve.

The process becomes even more complicated for the engineer who has designed the DDC program, and prepared plans and specifications for implementation of the program when the project goes to bid by DDC contractors. To win the work, it is typical for each DDC contractor in the bidding process to return to the client with their version of a DDC program and sometimes less expensive one to put themselves ahead of others. The alternative plans will propose using different equipment—usually the specific equipment that the bidding party already owns, or modeled under a different set of design parameters than the ones prepared by the engineer. Expect communications to become intense, and even with a now more educated developer, they will question every detail of the original planned design. It can be a frustrating and confusing period for all parties.

The engineer must plan to routinely justify his/her design based on design methodologies in literature, justify the design parameters used in the development of the DDC program, and rely heavily on the past performed projects going back a couple of decades. The engineer should even be prepared to obtain permission from past project owners to show the integrity of the building slabs after being in service for many years.

The DDC designer may also need to obtain design parameters from the DDC contractor who has come up with an alternative design to analyze their design and determine any shortcomings in it. If found, further discussions ensue to reexamine the design at hand as the most reliable and the most effective for the developer. Innovation is wonderful, but an expert engineer will not risk the developer's investment and reputation using unproven technologies; proven technologies are already part of a reputable engineer's DDC design.

The best way for inexperienced developers to go through the design and implementation phases of such projects is to find an experienced firm with a significant number of similar projects in its experience and trust the outcome of the work by that design firm. Otherwise, the developer will have a very difficult time sorting out the complexities and questions that alternative designs bring forward. The claims of less expensive scenarios without long-term performance justification as to how the foundation will behave over the long term are too risky. The combination of dealing with a new concept for which the developer has no experience and justifying the financial aspects of a properly designed DDC program can make a project even more difficult for an inexperienced developer.

Recommendations

A developer's project manager should plan to spend significant time with the DDC designer to become familiar with the DDC concept, construction nuances, and the financial aspects of the project. The project manager will need to visit past projects performed by the designer's firm to confirm claims by the design engineer. Only at that point, the developer's project manager should proceed with convincing his/her superiors of the validity of the DDC program while asking for assistance from the DDC designer.

Ali Khatami, Ph.D., P.E., is a Vice President with SCS Engineers. He may be reached at akhatami@scsengineers.com.

Curbing Emissions While Tuning Combustion Engines for Optimal Performance

Ramon Rivera, Diamond Scientific

Photos courtesy of "technology-ad-machine-industry-product-pipes" and ARIA Energy-Mile High LF, Erie, CO.

Anyone who owns or operates a boiler and wants to generate more power from their combustion equipment faces several challenges, as they need to comply with numerous economic, environmental, legal, political, and technical regulations pertaining to atmospheric emissions.
In order to maximize boiler performance while still complying with government regulated emission standards, it is important to select a low-emission boiler of adequate size. Having the best equipment for the job is important, however, it needs to be calibrated and tuned correctly for optimal performance. Tuning the combustion equipment correctly will result in peak performance, while reducing fuel consumption and controlling atmospheric emissions.

The four primary boiler emissions that are regulated under the Clean Air Act (CAA) include carbon monoxide (CO), nitrogen oxide (NO_x), particulate matter (PM) and sulfur dioxide (SO_2). Emission restrictions that apply to combustion boilers are outlined in the Table ES.1. While emission limitations are largely influenced by the size and type of boiler, other influencing factors include the type of fuel or fuel mixture that is used to operate the boiler, the combustion method, and the geographical location of the boiler installation.

The U.S.Department of Energy (DOE) sponsored the *Guide to Low-Emission Boiler and Combustion Equipment Selection*, which outlines techniques that are effective in reducing NO_x, PM and SO_2 emissions. These are grouped into three categories according to the stage of the combustion process as outlined in Table ES.1.

Recommended Equipment to Improve Efficiency
There are several tools available to help boiler operators comply with regulatory standards without compromising on engine performance. Using an effective calibration tool and emissions analyzer can improve boiler efficiency as well as environmental performance.

Calibrating Engine Emissions
Operators can monitor and calibrate boiler engine emissions with a handheld emissions analyzer that simultaneously measures up to seven gas components including CO, NO_x and SO_2.

Monitoring Emissions in the Stack
A compact probe installed inside the stack serves as an emissions analyzer, continually monitoring emissions and providing in-situ real time analysis of Oxygen (O_2) and combustibles (COe).

Tuning the Boiler Engine
A precision manometer can be used to accurately calculate the differential pressure when tuning the boiler engine.

By using the tools above, boiler operators can run their engines at maximum efficiency, minimizing fuel consumption and controlling emissions. It finds the sweet spot in the engine and emission output, allowing them to operate at maximum efficiency while complying with environmental and legal regulations.

Ramon (Ray) Rivera is CEO of Diamond Scientific (Cocoa, FL). He can be reached at (321) 223-7500 or e-mail info@diamondsci.com.

Table ES.1. Emission control techniques discussed in the guide

Emission	Control technique		
	Precombustion	**Combustion**	**Postcombustion**
Nitrogen oxide (NO_X)	Switch to fuel with a low nitrogen content	Operational modifications: • oxygen trim (OT) • burner tuning (BT) • low excess air (LEA) Staged combustion air (SCA): • burners out of service (BOOS) • biased firing (BF) • overfire air (OFA) Steam or water injection (SI/WI) Flue gas recirculation (FGR) Fuel-induced recirculation (FIR) Low-NO_x burner (LNB) Ultra low-NO_x burner (ULNB) Natural gas reburning (NGR) Reducing air preheat (RAP)	Selective catalytic reduction (SCR) Selective noncatalytic reduction (SNCR)
Sulfur dioxide (SO_2)	Switch to fuel with a low-sulfur content Perform beneficiation	For fluidized-bed combustion (FBC) boilers, use limestone or dolomite as a sulfur-capture sorbent	Flue gas desulfurization (FGD): • nonregenerative techniques • regenerative techniques
Particulate matter (PM)	Switch to fuel with a low-ash content Perform beneficiation	Make operational modifications to reduce unburned carbon	Cyclone separator Wet scrubber Electrostatic precipitator (ESP) Fabric filter (baghouse)

Credit: Guide to Low-Emission Boiler and Combustion Equipment Selection, C. B. Oland, Oak Ridge National Laboratory

Member News

HDR Engineering Welcomes Solid Waste Industry Leaders

Keith Howard has joined HDR as the Florida solid waste program lead. Keith's responsibilities include leading activities for the Florida solid waste team of professional engineers and scientists, managing projects, and the technical execution/quality control for waste clients.

A recognized leader in the Florida solid waste market, Keith brings a unique mix of experience both as a public agency lead and a consultant. Most recently, Keith was the director of Lee County's solid waste division, where he led a $70-million-plus

Keith Howard

waste program. Over the course of 12 years at Lee County, he managed a long-term planning effort, as well as development of landfill cell expansions, a construction and demolition recycling facility, a material recovery facility, a composting facility, and a waste-to-energy facility.

Additionally, he has overseen multiple franchise collections contracts, and was the primary author of *Lee County's Mandatory Business Recycling Ordinance*. His early career was built upon experience as a consulting engineer involved with landfill and landfill gas system design, permitting and development.

John Carlton has also joined HDR as the consulting and planning practice leader of HDR's solid waste program. John has dedicated his career to bettering waste practices and clients' waste programs around the globe—

John Carlton

including several in Florida. John is uniquely qualified to lead the planning practice because of his extensive experience across a variety of current and key topic areas in the waste industry. He truly defines the term "consultant" with his ability to address all issues and needs within a solid waste management system.

With the addition of Keith and John, HDR looks forward to further growing their practice and continuing to provide high quality service to communities across Florida.

For more information, call (813) 282-2496 or visit www.hdrinc.com.

Marc Rogoff, Ph.D. Joins Geosyntec Consultants as a Senior Consultant

Join Geosyntec Consultants in welcoming Marc Rogoff to the Geosyntec Family of Companies. Based in Tampa, FL, Marc will serve as a leading practitioner with the Maryland Branch helping grow their Solid Waste Advisory Services. Marc is internationally renowned for his expertise in solid waste collection, recycling, and materials recovery programs and facilities. He is the author of eight books that are used as references by academics and public agencies for solid waste planning, and currently serves on the Executive Committee of SWANA. As an industry "icon," he will bring immediate gravitas to Geosyntec within his practice.

With more than 35 years of experience as a public agency manager and consultant, Marc has managed more than 400 assignments totalling more than $1.2 billion in project financings worldwide on all facets of solid waste planning. His project experience includes waste collection studies, facility feasibility assessments, site selection, property acquisition, environmental permitting, operation plan development, solid waste facility benchmarking, ordinance development, solid waste plans, financial assessments, rate studies/audits, development of detailed spreadsheet rate models, and long-term economic forecasts. He has extensive experience across the project delivery lifecycle from initial feasibility to development of construction procurement documents, bid and RFP evaluation, contract negotiation, and commercial operations monitoring. He has conducted feasibility studies for bond issuance, operations assessments, and provided recommendation on key procurement issues. He has interacted with bond rating agencies, financial advisors, insurance underwriters and investment bankers involved in these financings.

Marc Rogoff

Marc holds an M.B.A. in Finance from the University of Tampa, a Ph.D. in Resource Development from Michigan State University, an M.S. in Soil Science from Cornell University, and a B.S. in Environmental Science from Cornell University.

For more information, call (813) 810-5547 or visit www.geosyntec.com.

New Recycling Containers Debut in Florida Capitol Complex

A new Capitol Complex Recycling Program has launched to encourage legislators, staff, and Capitol visitors to recycle bottles and cans during the 2018 Legislative Session. This program is a collaboration between the Florida Beverage Association, Florida Recycling Partnership, Keep Florida Beautiful, and the Florida Department of Environmental Protection (FDEP). The new bottle-shaped recycling containers were provided by the Florida Beverage Association through a grant from the American Beverage Foundation for a Healthy America.

"The Florida Beverage Association and its members are committed to minimizing their environmental impact and are making it easier for consumers to do the same. Environmental responsibility, including the design of our packaging, water use, and the way we ship our products, is a top priority for our industry. We are proud to partner with the Florida Recycling Partnership, Keep Florida Beautiful and FDEP on the Capitol Complex Recycling Program," said Liz DeWitt, Executive Director for the Florida Beverage Association.

(Continued on page 14)

Member News

(Continued from page 13)

New containers have been strategically placed throughout the Capitol. The goal of the project is to increase the recycling rate in the Capitol by 25 percent during the first six months of 2018.

The containers are wrapped with the new FDEP logo "Rethink. Reset. Recycle." promoting their new www.FloridaRecycles.org campaign to encourage everyone to recycle the right items such as bottles and cans.

"We want to thank the Department of Management Services, President Joe Negron and Speaker Richard Corcoran for their support of the recycling project. The goal is to increase awareness about recycling and remind everyone about the new FDEP Rethink. Reset. Recycle. program," said Keyna Cory, Executive Director for the Florida Recycling Partnership.

For more information, contact Keyna Cory (850) 728-1054 or e-mail keyna@flrecycling.org.

Commercial Solid Waste Diversion & Recycling Operational Management Services

Hillsborough County is requesting proposals from qualified vendors to fully develop, implement, and administer a cost-effective internal waste diversion and recycling program for Hillsborough County-owned buildings located within downtown Tampa with the goal of expanding to other County-owned facilities in subsequent phases. The Proposer is expected to work as an extension of the County to manage operational services pertaining to how solid waste and recycling is collected within participating buildings, internally transported to garbage or recycling containers for pickup by a hauling company, and hauled to either a permitted disposal site or material recovery facility (MRF) for solid waste or recycling respectively. The Proposer shall be required to coordinate with multiple County departments, existing janitorial service providers, and waste and recycling haulers in order to maximize waste diversion and recycling while minimizing cost to the County.

Hillsborough County is currently accepting bids electronically through iSupplier until 2 p.m. on Friday, April 13th. The solicitation documents can be viewed at http://hillsboroughcounty.org/en/businesses/doing-business-with-hillsborough. Please contact Samantha Phillips at 813-301-7011 or PhillipsS@HCFLGov.net with any questions that you may have regarding this solicitation or iSupplier registration.

$400M in Bids Will Be Made Available

The Solid Waste Authority of Palm Beach County will offer hundreds of millions of dollars in hauler bid contracts in the coming fiscal year and wants to ensure that all interested businesses are able to participate in bidding. To do that, the SWA seeks to identify prime contractors, subcontractors, suppliers, or other service providers that may be interested in participating in these contracts.

Details on this opportunity are online. All interested businesses are encouraged to take this short survey.

The objective of this survey is to gauge the interest and availability of contractors, subcontractors, suppliers, and other service providers in participating in the hauler bid, and to use this information to define, among other things, the number and size of franchise areas, the prequalification requirements, and the S/M/WBE requirements and goals for the contracts. Potential opportunities for subcontractors, suppliers, or other service providers on this hauler bid may include (in alphabetical order):

- Automotive Parts
- Clamshell Services
- Container Repair and Maintenance
- Contract Administration
- Hydraulic Parts
- Janitorial Services
- Lawn Maintenance
- Maintenance and Repair of Hydraulic Motors
- Nut & Bolt Supplies
- Office & Miscellaneous Supplies
- Repair and Fabrication
- Roll-off
- Spill Cleanup
- Towing Services
- Trucking Repairs
- Vehicle Washing
- Yard, Waste, Vegetation Disposal

The information provided through the surveys will be made available to all interested parties. The SWA will host an outreach event in late April to enable the interested parties to learn more about the upcoming hauler bid process and network with other similarly interested businesses. Respondents to this survey will receive an invitation to this event; however, the event is open to all interested parties. A response to this survey is not required to participate in the event or to participate in the upcoming hauler bid.

For more information, contact Willie Puz, Public Affairs and Recycling, at (561) 640-8914 (o); (561) 379-2405 (c) or Colleen M. Robbs, Equal Business Opportunity Office, at (561) 640-4529 (o).

Sponsorship Opportunities

We invite you to become a sponsor of the SWANA FL 2018 Summer Conference. As a conference sponsor, your organization will be recognized as a valued supporter. All general and exclusive sponsors will receive recognition as follows:

* In pre-conference promotional emails
* On the SWANA FL website
* On conference signage and in program
* On screen prior to the conference general sessions and during all breaks

By actively supporting this event, your organization will benefit by strengthening its prominence as a leader in the solid waste industry and by increasing your network of contacts and established partners within SWANA. Registration deadline for sponsors to be included in participant materials and on signage is June 22, 2018.

GENERAL

☐ Platinum Sponsor - $1,500 ☐ Gold Sponsor - $1,000 ☐ Silver Sponsor - $750 ☐ Bronze Sponsor - $500

EXCLUSIVE *(available on a first-come, first-served basis)*

☐ Sunday Welcome Reception - $3,000 - includes sole recognition at the reception and one full-conference registration
☐ Monday Lunch - $3,000 - includes sole recognition at lunch, one full-conference registration and complimentary exhibit table
☐ Monday Dinner - $5,000 - includes sole recognition at dinner, one full-conference registration and complimentary exhibit booth
☐ Tuesday Lunch - $4,000 - includes sole recognition at lunch, one full-conference registration and complimentary exhibit table
☐ 40th Anniversary Tervis Tumbler - $2,750 - includes logo on 16 oz tumbler that will be distributed to all attendees
☐ Conference Bags - $1,500 - includes logo on bags that will be distributed to all attendees
☐ Name Badge Lanyards - $1,500 - includes logo on lanyards that will be distributed to all attendees

GOLF OUTING

All golf sponsors will be recognized during the awards presentation at the Monday night dinner.
☐ *Exclusive* - Breakfast - $1,000 - includes signage at golf course
☐ *Exclusive* - Boxed Lunches - $1,000 - includes signage at golf course or logo on containers
☐ *Exclusive* - Beverage Cart - $750 - includes signage on cart or logo on drink tickets
☐ *Exclusive* - Grand Prize Hole - $500 - includes signage at tee box for $10K Hole-in-One Contest
☐ Contest Hole (longest drive, closest to the pin, etc.) - $250 - includes signage at tee box
☐ General Hole - $150 - includes signage at tee box

Have other sponsorship ideas? Contact us at 727-940-8855 or info@swanafl.org and let us know.

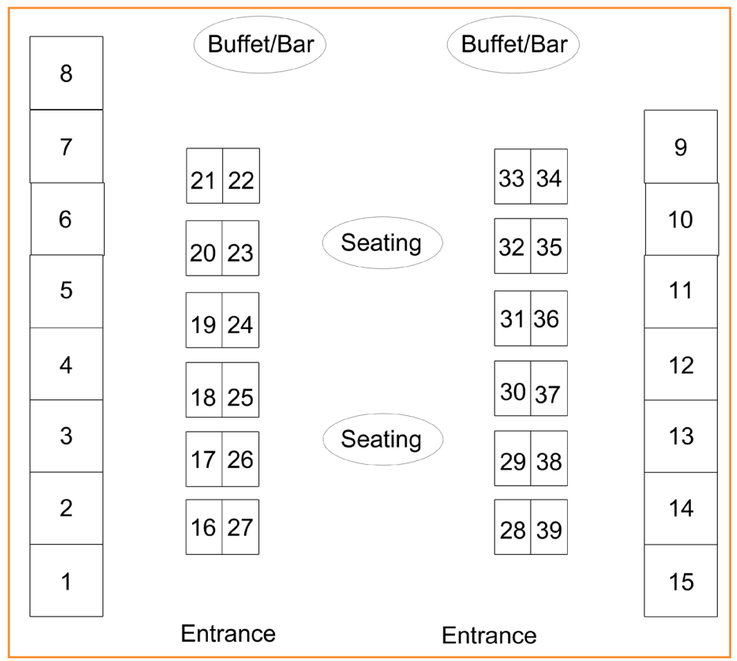
To become a sponsor, register online at www.regonline.com/swanafl2018

Exhibitor Information

Enhance your product awareness and brand recognition!
Increase your sales and outreach capabilities!

Don't miss this opportunity to showcase your products and services during Florida's premier solid waste conference. The SWANA FL 2018 Summer Conference will take place at PGA National Resort in Palm Beach Gardens, Florida, July 15-17, 2018.

- The Exhibit Hall will be located in PGA Ballroom B and C.
- The welcome reception, two breakfasts, one lunche and all breaks will take place in the Exhibit Hall.
- Tables/booths are assigned on a first-come, first-served basis and are not guaranteed.
- Table-tops and full 8' x 10' booths are available. Table-top exhibitors may not move tables to make room for large displays. All display materials must fit on top of table.
- Full 8' x 10' booths are labeled 1-15 on diagram. Table-tops are labeled 16-39 on diagram.
- If you register by June 15, full 8' x 10' booths are only $775 for members and $975 for non members. Tables are $575 for members and $775 for non members.
- Each exhibitor registration includes one full-conference registration. Each additional person at the table/booth must register for the conference separately.
- Registration deadline for exhibitors to be included in participant materials and on signage is June 22, 2018.



Exhibitor Schedule

Sunday
1 - 4:30 p.m.
Set-Up
(All exhibits must be set by 4:30 p.m.)

5:30 - 7 p.m.
Welcome Reception in Exhibit Hall

Monday
7:30 a.m. - 1:00 p.m.
Breakfast, Break & Lunch in Exhibit Hall

Tuesday
7:30 - 10:30 a.m.
Breakfast & Break in Exhibit Hall

10:30 a.m. - 1 p.m.
Tear-Down
(All exhibits must be removed by 1 p.m.)

Questions

Contact the SWANA Florida Sunshine Chapter at (727) 940-8855 or email info@swanafl.org.

SWANA TECHNICAL TOUR

Solid Waste Authority of Palm Beach County, FL

July 16, 2019 ~ 1 p.m. - 5 p.m.

Lunch from Noon to 1 p.m. at the conference center

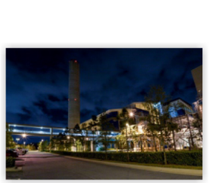
Tour Highlights:

Behind the scenes tours of:

- Renewable Energy Facility 2, a 3,000 TPD state-of-the-art facility
- Recovered Materials Processing Facility, a 750 TPD dual stream facility

A rolling tour of:

- Biosolids Processing Facility, a 600 TPD facility
- Home Chemical and Recycling Center, a 3.9M PPY facility
- Active Class I Ash Disposal Landfill
- Active Class III C&D Landfill
- Customer Convenience Drop-Off Center



SWA.org

*Facility located at: 6751 N. Jog Road, West Palm Beach, FL 33412

SWANA FL Committee Chairs

STANDING COMMITTEES

Membership
Monica Bramble
(W) 941-240-8060
mbramble@cityofnorthport.com

Conference
Tammy Hayes
(W) 813-281-2900
HayesT@cdmsmith.com

Conference Sub Committee – Young Professionals
Wei Liu
(W) 813-281-2900
LiuWT@cdmsmith.com

Conference Sub-Committee – Programs
Jason Timmons
(W) 941-861-1572
jtimmons@scgov.net

Conference Sub-Committee – Golf
Greg Hansen
(W) 813- 630-2109
ghansen@scsfieldservices.com

Conference Sub-Committee – Exhibits and Sponsors
OPEN

Awards
Mitch Kessler
(W) 813-971-8333
mk@kesconsult.com

Awards Sub-Committee – Scholarships
Karam Singh
(W) 904-598-8930
Karamjit.Singh@hdrinc.com

Bylaws (and Policy)
Keith Howard
(W) 941-342-2741
Keith.Howard@hdrinc.com

Audit
Tammy Hayes
(W) 813-281-2900
HayesT@cdmsmith.com

Nominating
Mitch Kessler
(W) 813-971-8333
mk@kesconsult.com

Legislative
Reginald Ofuani
(W) (850) 891-5450
reginald.ofuani@talgov.com

Communications
Marissa Segundo
(W) (727)278-7909
msegundo@recycle.com

Communications Sub-Committee – Newsletter
Angelina Ruiz
(W) 800-358-2873 x 7
angelina@wasteadvantagemag.com

Finance and Budget
Sam Levin
(W) 407-475-9163
Slevin@S2Li.com

Training and Health & Safety
Open (Training)

Chad Grecsek
(W) 954- 480-4386
941-240-8063
cgrecsek@deerfield-beach.com

TECHNICAL DIVISIONS

Collection and Transfer
Marc Rogoff
(W) 813-804-6729
mrogoff@scsengineers.com

Landfill Management
Rebecca Rodriguez
(W) 561-571-3800
rodriguezr@cdmsmith.com

Planning and Management
Euripides Rodriguez
(W) (321) 633-2042
Euripides.rodriguez@brevardcounty.us

Recycling & Special Waste
Frank Lama
(W) 941- 240-8050
flama@cityofnorthport.com

Waste to Energy
John Power

Landfill Gas & Biogas
Dan Cooper
(W) 813-621-0080
DCooper@SCSEngineers.com

SPECIAL COMMITTEES

Chapter Road-E-O
Gene Ginn
(W) 727-587-6760
gene.ginn@lakelandgov.net

Find us on Facebook
www.facebook.com/swanafl

Webinar Program CONTINUES…

Florida Sunshine Chapter is a member of the SWANA Webinar Program. This allows Chapter members to attend SWANA live webinars with no out-of-pocket cost. The registration fee has already been paid for by your Chapter.

Chapter members can register themselves for SWANA Webinars online at SWANA.org. All you need is to enter the Chapter's ***NEW*** Debit Card Code at the time of registration.

Visit http://www.swanafl.org. Webinar Program information is under "Committees/Training."

Limited number of registrations available at this time.

Earn CEU's

All individuals that attend a webinar can earn continuing education units.

empower

SWANA Florida Sunshine Chapter has purchased credits/registrations in the SWANA Webinar Program for member use. To use, members need only:

- Select live webinar from SWANA's offerings.
- Register and enter Florida Chapter code listed below.

Visit https://swana.org/Education/eLearning/ChapterWebinarProgram.aspx for more information.

inspire

To allow as many members to benefit as possible:

- View the webinar in a large room and invite others from your agency to attend.
- Coordinate with other smaller agencies to host a webinar viewing. Dorothy Couch, Bridges BTC, will help with coordination: dcouch@mybridges.org, 321-494-6848.

educate

When a group views a SWANA Webinar through the Chapter Webinar Program, all attendees can receive Continuing Education Units (CEU's). To apply for CEU's:

- Provide a sign-in sheet to certification@swana.org.
- Include the webinar title and date, name of the person who registered to receive the logins, and the name and SWANA ID Number of each of the participants.

SWANA's Training Department will allocate CEU credits for SWANA Certified professionals who attended the webinar and are verified Chapter members.

NEW **Florida Chapter Webinar Program**

Debit Card Code is: FL150617

Talking Trash Newsletter

Editor in Chief
Angelina Ruiz
Waste Advantage Magazine
angelina@wasteadvantagemag.com

Managing Editor
Molly Schweers
Lee County Solid Waste Division
MSchweers@leegov.com

SWANA Florida
Sunshine Chapter
3724 Johnathon Avenue
Palm Harbor, FL 34685

Phone: (727) 940-8855
Fax: (727) 231-0693
Email: info@swanafl.org

Chapter Administrator:
Crystal Bruce

Upcoming Events

2018 SWANA FL Chapter Road-E-O
May 4-5, 2018
The Westin Lake Mary, Orlando North
Lake Mary, FL

2018 SWANA FL Summer Conference
July 15-17, 2018
PGA National Resort and Spa
Palm Beach Gardens, FL

Chapter Officers & Directors

President
Tammy Hayes
(W) 813-281-2900
hayest@cdmsmith.com
CDM Smith

Vice President
Keith Howard
(W) 941-342-2741
Keith.Howard@hdrinc.com
HDR

Treasurer
Sam Levin
(W) 407-475-9163
Slevin@S2Li.com
S2Li

Secretary
Monica Bramble
(W) 941-240-8060
mbramble@cityofnorthport.com
City of North Port

Immediate Past President
Mitch Kessler
(W) 813-971-8333
mk@kesconsult.com
Kessler Consulting

Director 17-19
Rebecca Rodriguez
(W) 239-533-8932
rrodriguez2@leegov.com
Lee County Solid Waste

Director 17-19
Jason Timmons
(W) 941-861-1572
jtimmons@scgov.net
Sarasota County

Director 17-19
Michael Gordon
(W) 727-587-6760
migordon@largo.com
City of Largo

Director 17-19
Chad Grecsek
(W) 954- 480-4386
cgrecsek@deerfield-beach.com
City of Deerfield Beach

Director 16-18
Nathan Mayer
(W) 561-758-7130
nmayer@swa.org
Solid Waste Authority of Palm Beach County

Director 16-18
Allan Cole
(W) 407-836-6635
allan.cole@ocfl.net
Orange County Solid Waste

Director 16-18
Marissa Segundo
(W) 727-278-7909
msegundo@recycle.com
Resource Recycling Systems

Director 16-18
Becky Hiers-Bray
(W) 904-491-7330
bbray@nassaucountyfl.com
Nassau County Engineering Services