

# Talking... **TRASH**

The Newsletter of the SWANA Florida Sunshine Chapter

Fall/Winter 2015



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FEBRUARY 21-23

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# Letter from the President

December 2015

Thank you for electing me to be your SWANA Florida Chapter President. I am honored to lead the largest single chapter in the entire association!

When I agreed to do this, I thought about what I wanted to accomplish and came up with the following three main goals:

- 1) Improve our communications and relationship with SWANA International so that we're working together to maximize SWANA's value to our membership.
- 2) Ensure that board members and committee chairs have more defined responsibilities to better manage expectations and keep moving forward.
- 3) Implement a system that embraces change so we can benefit from new ideas and increase opportunities for our young professionals.



With your help, we can achieve these things together to make our organization even stronger. If you are interested in helping, there's a very simple formula:

- ✓ SHOW UP – remember that **board meetings are open to all members**. I encourage you to join us.
- ✓ RAISE YOUR HAND – we would not exist without the hard work of our volunteers. Please consider being one of them.
- ✓ FOLLOW THROUGH – we'd love you to get involved but don't over commit yourself. Remember that you only get out of something as much as you put in, but we believe we can provide you with some very rewarding experiences.

Our next meeting, Partners in Progress, will be a Joint Summit with RFT. It is being held February 21-23 at the Rosen Plaza Hotel in Orlando. Details can be found on our website at [www.swanafl.org](http://www.swanafl.org). I hope to see you all there!

Finally, with the holiday season upon us, I want to take this opportunity to wish you all the very best! I look forward to getting to know those of you I don't, and working with all of you over the next two years. Feel free to contact me with your questions, comments, ideas and suggestions at [HayesT@cdmsmith.com](mailto:HayesT@cdmsmith.com).

A handwritten signature in blue ink that reads "Tammy Hayes".

Tammy Hayes  
President, SWANA FL

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# Landfill Gas and Growing Veggies

*Written by Ramon Rivera, Diamond Scientific*

Landfill gas is a sustainable energy source in that it transforms methane produced during the decomposition of organic waste into a source of renewable energy. Now an even more sustainable option is utilizing the waste carbon dioxide exhaust gases produced during this process to grow plants such as tomatoes. This creative approach has been used by a number of commercial tomato growers in North America and Canada.

By transforming this waste exhaust gas into a source of heat energy to heat up greenhouses, it encourages plant growth, resulting in healthy productive tomato plants that produce tons of fruit for human consumption — the ultimate solution in terms of sustainability. Tomato greenhouses can be heated by heat recovered from electrical generators used in waste-to-energy projects at landfill sites, which are powered by methane gas collected from the landfill. By utilizing waste heat produced in waste-to-energy plants rather than traditional boilers that run on fossil fuels to heat a greenhouse, CO<sup>2</sup> emissions can be significantly reduced. Furthermore, plants need carbon dioxide for growth, and by absorbing the carbon dioxide, the plants help reduce carbon emissions that would otherwise be released into the atmosphere.

## Waste Heat Recovery Case Study

A project run by Modern Landfill in New York State in the US, in

partnership with hydroponics greenhouse H2Gro — whose operation consists of 7.5 acres of temperature-controlled hydroponic greenhouses producing 10,000 tons of tomatoes a day — won an Environmental Excellence Award for its innovative use of a source of alternative energy for meeting power demands and for sustainable crop production. The landfill gas collected at the landfill is converted to electricity which powers the landfill, and provides light and heat



*Featured Image by Goldlocki at the German language Wikipedia [CC-BY-SA-3.0], via Wikimedia Commons*

to the greenhouse where hydroponic tomatoes are grown. The surplus electricity is supplied to the power grid.

Landfill gas collected from Modern Landfill generates 5.6 megawatts of power which the company sells back to the New York power grid. Furthermore, waste heat that is generated when the gas is burned in the internal combustion engines is captured and recovered in the process. This heat, together with a

small portion of the power generated, is then used to provide heat and light to H2Gro's hydroponic greenhouse. The organic vine-ripened tomatoes are grown commercially and sold to consumers for a profit.

## Environmental Benefits of Waste Heat Recovery

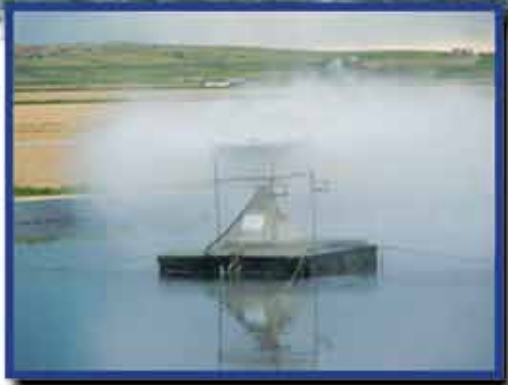
The key environmental benefit of waste heat recovery from landfill gas projects is improved control over fugitive landfill gas emissions. Since implementing this project Model City Energy has cut its fugitive landfill emissions by 85%.

What makes this project stand out from other waste-to-energy projects is that not only is the landfill gas captured for energy production, the waste heat is also captured and used productively to enhance crop growth at the adjacent greenhouse. It's a win-win situation all round. The tomato growers (and consumers) benefit from healthier productive plants, the landfill owners benefit by reducing their fugitive landfill gas emissions, and the environment benefits by have less greenhouse gases being released into the atmosphere.

Although this partnership may seem rather strange, this type of project can be easily replicated. All that is required is an abundant source of low-cost fuel, sufficient vacant land nearby, a viable market for the end product, and the drive, determination and creativity to try something new.



# LEACHATE EVAPORATORS



## APEX WASTEWATER EVAPORATOR

### FEATURES:

- Heavy duty construction
- Stainless steel body, motor mount, and frame
- 6'x7' LDPE foam filled floats
- PLC controlled automated wind speed & direction control system available



## LANDSHARK WASTEWATER EVAPORATOR

### FEATURES:

- Fan's airflow in excess of 100 mph
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# How to Dig through Garbage and Increase Recycling Rates

*Written by Michael Fear, Public Works Department, City of North Port*

Wouldn't it be great if you could focus outreach efforts on homes that were diminishing your recycling rate? After all, it can be difficult to achieve sustainable results with a blanketed and ill-targeted outreach campaign.

That's why the City of North Port launched an outreach program in July of 2015, called, "A Street at a Time". The goal of the program is to educate residents about everyday items that can be recycled.

Each week, Solid Waste Supervisors target seven different streets to investigate and educate about recycling. Supervisors travel ahead of the City's solid waste trucks and inspect the contents of each garbage tote. When a Supervisor sees items in the tote that should be recycled, he/she will leave a friendly reminder (letter) highlighting the particular items. If residents are outside at the time of the inspection, Supervisors

are given a fantastic opportunity to encourage and talk about recycling on a personal level. In cooperation with Public Works Customer Service,

the past, but the Street at a Time program will be focused on residents who may not be aware of North Port's service and the benefits of

recycling. One such benefit is that the City of North Port saves over \$60 per tonnage when dropping off recyclables versus dumping regular garbage.

The City is also using Facebook and other social media outlets to educate residents and bring awareness to the program. Local residents, businesses and organizations have been encouraged to ramp up their recycling efforts throughout the program. With everyone's support, the City of North Port can increase recycling and continue becoming a healthier, more sustainable community.



residents are encouraged to call if they have any questions about receiving the letter.

North Port Solid Waste has performed recycling campaigns in

# Why Renting and Rent to Own Can Benefit Your Fleet... and Your Budget!

*Written by Brittany Zeitler, Big Truck Rental*

One of the biggest challenges municipalities face is their budget. Budget concerns can be managed through renting and rent to own programs. Both will preserve capital. Renting or rent to own allows you to avoid new truck purchase complications. With a customized rent to own program, not only are you saving capital, but a portion of your monthly payments goes towards the purchase of your brand new truck. A brand new truck will eliminate

downtime and lower operating costs and let's not forget, give your drivers



the truck of their dreams! These trucks can be ordered new to meet your specifications which will provide

you fleet consistency. In addition to reduced maintenance costs, renting is helpful in meeting short-term and last minute equipment needs. Utilize the rental fleet while your maintenance team catches up on preventative maintenance and back log of repairs. Flexible plans allow you to rent until the capital is available to purchase the truck. There are many creative and flexible ways to get the equipment your sanitation department needs to be a successful part of the City services. So, the future plans of automation or adding recycling to your City can become a reality now.

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# Digging a Little Deeper: A Cost-Effective Alternative to Developing New Landfill Sites

*Written by Tobin McKnight and George Reinhart, Jones Edmunds & Associates, Inc.*

Landfill owners seeking innovative, cost-saving landfill designs have constructed landfill bottom liners below the groundwater table at a number of facilities in Florida. Landfill cells in Union, Lee, Escambia, Brevard, Orange, and Duval Counties have been successfully permitted and constructed with all or portions of the bottom liner below the groundwater table. Benefits include a reduced amount of imported soil, additional airspace, surplus soil for landfill cover, and increased environmental protection. Designing and constructing landfills in this manner requires additional considerations beyond a typical landfill design, but in many cases the benefits outweigh the costs.

Owners and operators face tremendous obstacles when it comes to developing new landfill sites. Owners and operators that strive to maximize the disposal capacity of existing facilities have the option of excavating deeper. The relatively flat terrain and high groundwater at most facilities in Florida make it difficult to maximize below-grade disposal

capacity in a manner that occurs in other parts of the country. In Florida landfill cells typically require large quantities of soil to raise the bottom

limited soil available are significantly greater because soil must be imported. The alternative to importing soil is to dig down. In most cases, however, groundwater is the limiting factor for excavating deeper.

The concept of constructing a landfill liner below the groundwater table is not new. Sometimes called “inward gradient” landfills, these landfills have been considered since the earliest sanitary landfills were constructed. The basic concept of the inward gradient landfill is that the pressure gradient of groundwater below the liner is greater than the leachate head above the liner. Therefore, any leaks in the liner system will not emit leachate to the groundwater but will introduce groundwater to the leachate that will be pumped out of the cell and treated, thus providing greater environmental protection than a traditional “outward gradient” landfill.

Conventional wisdom suggests that an inward gradient landfill is cost-prohibitive because of the dewatering required during construction and the need to pump leachate long term.

Inward gradient landfills require additional evaluation and design considerations than an above-grade



*The Lee/Hendry County Regional Solid Waste Disposal Facility Ash Monofill Expansion was constructed with the leachate collection trenches below the water table (October 2014).*



*Dewatering pumps operating during cell construction as the leachate collection trench is constructed at the Lee/Hendry County Regional Solid Waste Disposal Facility Ash Monofill Expansion (October 2014).*

liner above groundwater and create the grades required for drainage. Construction costs at facilities with



design to determine the technical and economic feasibility. Florida regulations allow for liners to be located below the water table as long as groundwater fluctuations do not adversely impact the integrity of the liner system and the liner is designed to resist hydrostatic uplift. Designs may have small portions of the landfill liner such as the sump below the groundwater table or greater portions such as the leachate collection trench or the entire cell below groundwater.

The degree and complexity of dewatering increase with greater area and depth and should be considered as part of the preliminary engineering cost-benefit analysis. Site-specific soils and hydrogeology must be considered

for each site. Dewatering can be accomplished using a single technique or multiple construction techniques including rim ditches, sock drains, and well points. Depending on site conditions, dewatering may require a cutoff wall or need to be conducted on multiple aquifers.

Although dewatering is an additional consideration for inward gradient landfill development, the cost of importing soil for a traditional expansion quickly overcomes the cost of dewatering. Constructing a typical 20-acre cell below the groundwater table can avoid importing 5 feet of fill totaling 160,000 cubic yards and save \$1.5 million. This cost savings is significant even when the cost to

pump leachate during the long-term care period and custodial care is considered.

With proper evaluation, design, observation, and construction, this innovative approach to landfill design and construction provides greater, lasting value for existing facilities. It offers landfill owners and operators a viable alternative to costly expansions, significantly reducing the amount of imported soil and helping to provide additional airspace for years to come.



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## 2016 SOLID WASTE MANAGEMENT FACILITIES COURSES Initial and Refresher Combined Training

Initial		
Landfill	\$650	Day 1, 2 + Exam
Transfer Station (TS)	\$550	Day 1, 2 + Exam
Materials Recovery Facility (MRF)	\$550	Day 1, 2 + Exam
Landfill + TS/MRF	\$750 (best value)	Day 1, 2, 3 + 2 Exams
Spotter	\$295	Day 1, 8hr
Refresher		
Landfill	\$495/\$295	Day 1, 2-16hr/Day 1-8hr
Transfer Station	\$295	Day 1, 8hr
Materials Recovery Facility	\$295	Day 1, 8hr
Spotter	\$195	Day 1, 4hr

2016 Locations/Dates
Jacksonville • 1/26-28
Crestview • 3/1-3
Gainesville • 3/15-17
St. Petersburg • 5/3-5
TBA • 6/15-16
Lake Buena Vista • 7/12-14
Ft. Lauderdale • 8/16-18
TBA • 9/20-22
Tallahassee • 10/18-20
Gainesville • 11/15-17

**Information**  
352-392-9570 ext. 227  
djenkins@treeo.ufl.edu

*Registration Deadline: 5 working days prior to the date of the course*

# City of Tallahassee Solid Waste Goes Pink

Written by *Reginald C. Ofuani*,  
City of Tallahassee Solid Waste  
Services

Other than skin cancer, breast cancer is the most common cancer among American women. Each year more than 200,000 women get breast cancer and more than 40,000 women die from the disease. In support of Breast Cancer Awareness, Solid Waste Services placed 26 pink 64-gallon recycle containers with the Breast Cancer emblem in the lobby or front entranceway of City owned buildings. The pink recycle containers were a big hit; they generated a lot of conversation about breast cancer awareness and boosted recycle tonnage a little as well. In honor of staff with loved ones, and women in the community that have fought against the disease and survived, Solid Waste painted a Public Single-Stream Recycle Center pink. The pink recycle center not only brought awareness to breast cancer, it was a powerful



and inspiring opportunity to unite the community. As citizens came to the Public Single Stream Recycle Center to drop off their recycle material some of them took pictures of the container, while others just stood a few minutes in silence.



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## Advertising Opportunities Available

It's not too late to reserve a space in the Spring issue of Talking Trash.

## Job Openings

Post an employment notice on the SWANA FL website for just \$100!

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or visit [www.swanafl.org](http://www.swanafl.org)  
for more information.

## News from HQ

*A new column featuring information from SWANA headquarters in Silver Springs, MD*

### **First Lego League**

*From David Biderman, SWANA Executive Director and CEO:*

The First Lego League (FLL) involves children ages 9-14 in programming a Lego robot to complete certain tasks in a competition. FLL has 230,000 participants in more than 80 countries, and has a significant presence in the United States and Canada.

FLL's theme for 2015-16 is the "Trash Trek Challenge" (see more at <http://www.firstlegoleague.org/challenge/2015strashtrek>). FLL holds local and regional tournaments throughout North America, culminating in an international event in St. Louis in April 2016. FLL teams forming now will begin contacting local waste agencies and service providers to do research in preparation for their local tournaments.

As the parent of two children who participated in FLL, I know

that FLL events are fun, high-energy and full of smart kids (and parents). This is a tremendous opportunity for SWANA and its members to get FLL participants to think differently about the waste industry, potentially attract some of these kids into careers in the industry, increase brand awareness of SWANA, and support a very good cause. WasteDive recently published an article about FLL (<http://www.wastedive.com/news/trash-trek-kids-solve-industry-issues-in-lego-competition/406197/>).

*From Estela Martinez, SWANA Membership and Chapter Services Manager:*

Sara Bixby, SWANA Deputy Executive Director, attended a Virginia Chapter event and found out that both Fairfax County, VA and the American Recycling facility in Manassas have had multiple tours of FLL participants. John Kellas, director of solid waste for Fairfax County, was delighted with the number of kids that participated on the tour. VA chapter board members were recently talking about this and it

sounds as if at least one has also been invited to participate as a judge in one of their local events. Additionally, a Pennsylvania chapter member has been giving tours of his facility to some of the teams.

Is anyone in Florida involved with the First Lego League? If so, please let SWANA know via social media or open forum about your participation and how you are involved. Sponsorship? Judges? Tours of your facilities?

### **First Lego League Florida Partners**

#### Central – West

Desh Bagley  
suncoastfl@gmail.com

#### Northeast

Mark McCombs  
renaissancejax@gmail.com

#### Northwest

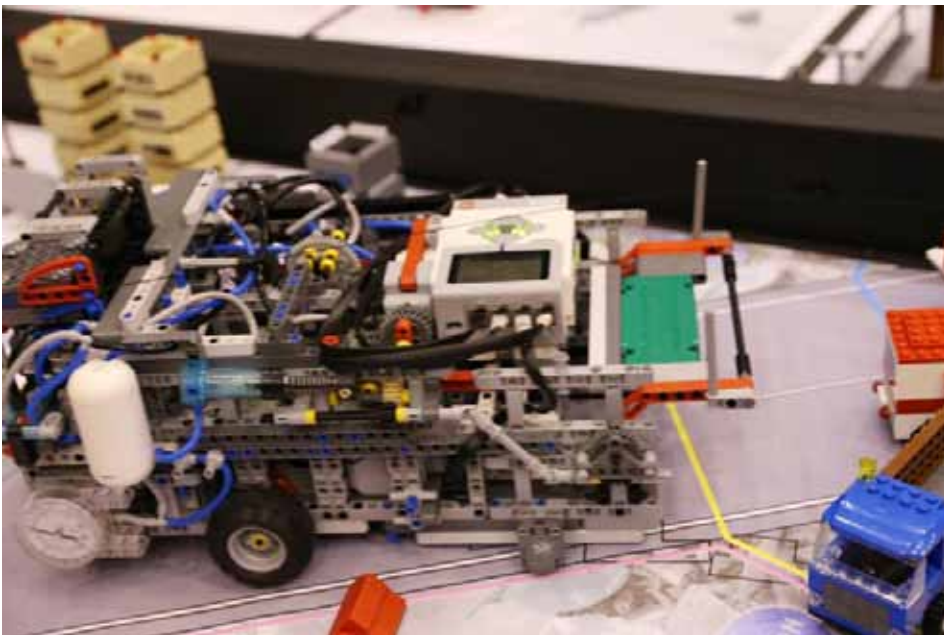
Kathie Carswell  
Kathie.carswell@unf.edu

#### South

Gloria Gibson  
gloridaflrobotics@gmail.com

#### Central – East

Michael Schweim  
schweim@polk.edu



## Member News

### Stephen A. Berry to Serve as Jones Edmunds Senior Project Manager in Jacksonville

Jones Edmunds and Associates, Inc., a Florida-based engineering and environmental sciences consulting firm, announces the addition of Senior Project Manager, Stephen A. Berry. In his new position, Berry will help to build and maintain strong relationships and partnerships with government officials, industrial leaders, technical staff, regulators, utilities, and other stakeholders to support growth and development in and around Jacksonville.

“Steve is a distinguished professional with deep roots in the Jacksonville community and northeast Florida,” said Rick Ferreira, PE, Jones Edmunds President and CEO. “His expertise and knowledge of local needs will be a tremendous asset in developing creative solutions and collaborative partnerships to address the environmental and infrastructure challenges in this region as well as throughout Florida.”

Berry brings more than 35 years of extensive environmental and project management experience to Jones Edmunds, including experience with the Department of Defense (DOD), the U.S. Army Corps of Engineers (USACE), as well as several other business sectors such as ports, aerospace, commercial, and industrial clients. He has addressed a broad spectrum of issues for these entities in the areas of planning, permitting and compliance, ranging from water resources and air quality to mitigation of wetland impacts and protected species, and has also worked on numerous high-profile projects that include complex alternatives analysis

for a new ethanol plant, a 20,000-acre new major airport hub, and the preliminary reviews of new aerospace launch complexes. A past member of the First Coast Manufacturing Association (FCMA), Berry served



*Stephen A. Berry*

on the association’s first Pollution Prevention sub-committee recognizing the need to find pollution prevention and pollution reduction measures as both a cost savings opportunity as well as good environmental stewardship. Berry has proven experience with creative problem solving in the industrial and commercial sectors identifying potentially fatal flawed project

elements and the solutions to avoiding them.

“As a native resident of Jacksonville, I’m excited to be a part of what Jones Edmunds is doing to help improve our infrastructure and address the environmental and planning issues facing our community and state. I feel a personal connection to Jacksonville, all of northeast Florida, and its people. As we continue to grow, my goal is to work at all levels with stakeholders to tackle complex problems and find effective solutions that will continue to help foster growth and expansion in this region of the state.”

Berry received a B.S. in Ecology from Birmingham-Southern College and a B.S. in Environmental Engineering from the University of Florida. He is an active member of the American Association of Port Authorities and the American Institute for Aeronautics and Astronautics. Previously, Berry served as chairman and board member of the Jacksonville International Airport Community Redevelopment Agency, and is a past president and board member of the Rotary Club of North Jacksonville.

### Keith Howard Named Acting Director of Lee County Solid Waste

Keith Howard has been named Acting Director of the Lee County Solid Waste Division effective Sept. 1, 2015. Keith previously served as deputy director of the division.

Keith has more than 24 years of experience in the solid waste industry in both the public and private sectors. As deputy director, he was responsible for landfill and transfer operations, franchise collections, recycling, composting, and the household hazardous waste program.



*Keith Howard*

## **Kessler Consulting Selected for SWANA/CRRA Zero Waste Course Development**

The Solid Waste Association of North America (SWANA) and the California Resource Recovery Association (CRRA) recently announced the selection of Kessler Consulting, Inc. (KCI) to develop a Zero Waste Principles and Practices course and certification program for North America.

KCI, best known for their innovative approaches to solving complex solid waste management issues for governments, businesses, and industry has assembled a team of zero waste professionals that include Richard Gertman, Laurie Batchelder Adams, Matthew Cotton, and Cascadia Consulting.

David Biderman, SWANA Executive Director and CEO said . . . “Kessler Consulting is an industry leader that brings a wealth of professional commitment and experience with zero waste and waste diversion to this project. We are looking forward to providing a course and certification program that sets the standard for zero waste and moves the private and public sector forward in implementing zero waste practices across North America.”

For 27 years, KCI has served more than 200 government and numerous business and private clients with their expertise in solid waste management options and innovative, state-of-the-art collection, processing, and disposal solutions. Mitch Kessler, President of KCI, announced “KCI is honored and excited to have been selected as the team that will forge the future training and certification for solid waste professionals across North America.”

## **In Memory of Mike Gold**



*Mike Gold*

Michael “Mike” Gold, 56, of Largo passed away on October 18th from natural causes. He was born in Clearwater and worked for the City of Largo for 38 years. Mike began his career in Public Works Solid Waste, following in his father’s footsteps, and progressed to the position of Safety and Training Coordinator. He was passionate about his work in safety and solid waste management. Mike had a huge heart which showed in his work and all he did. He treated everyone with sincerity, respect and professionalism.

Mike was very proud of his work with the SWANA organization. He has participated in SWANA activities for almost 25 years. He enjoyed the SWANA Road-e-o programs and was actively involved in training, judging, and coordinating events. For the past few years, Mike has held the position of Co-Chair for Health and Safety on the Board for SWANA FL.

Mike is survived by his daughter Tiffany Ann Gold and grandson Hunter Perez of Largo, brother James Gold of Pinellas Park, sister Cindy Gold of Brooksville, and mother Angela Gripp Gold of Crystal River, Fl. Mike is also survived by 4 step children.

## Member News

### Jones Edmunds announces three personnel changes

**John Horvath, PE**, has been appointed the utilities department manager for the firm's Gainesville office. A University of Florida graduate with a Master's degree in Civil Engineering, Horvath has been with Jones Edmunds for 27 years. During this time, he has served as project manager, QC engineer, project engineer and lead design engineer on a variety of multi-disciplined projects. Currently, he serves as the project manager for several utility projects for the Bay Laurel Center Community Development District (BLCCDD) at the On Top of the World Communities (OTOW) in Ocala. His areas of expertise include the planning, analysis, permitting, and design of wastewater collection, treatment, and effluent reuse and disposal systems.

Solid Waste Engineer, **Tobin McKnight, PE**, is now credentialed as a Composting Programs Manager through the Solid Waste Association of North America (SWANA). The certification program covers topics and concepts crucial to successfully managing composting programs, including compost uses, markets and compost quality, composting principles and methods, operations and troubleshooting, and regulatory management. McKnight is a University of Florida graduate and holds a Master of Engineering degree. He has been with Jones Edmunds for 10 years and recently served as a project manager for the construction of the Lee-Hendry Composting Facility Expansion in Lee County.

**Frank Miller, PE**, has joined the firm's Winter Haven office as project manager and will support the firm's office operations and oversee projects from initiation through completion while developing and maintaining strong client relationships. Miller brings more than 18 years of engineering and project management experience to Jones Edmunds. He most recently served as a senior engineer for the Seminole County Environmental Services Department and is a US Navy veteran with six years of dedicated service. His engineering experience in water and wastewater systems planning, design, permitting, and construction includes membrane processes, pump stations, biosolids treatment facilities, chemical facilities, and integrated facility design.

Miller has worked on several membrane-treatment-related projects throughout Florida, including serving as a resident construction manager for Palm Beach County's Water Treatment Plant (WTP) #3. At the time of commissioning, this facility was the second largest nanofiltration plant in the country. Miller also served as the task manager and engineer of record for the City of Marco Island's wastewater membrane bioreactor (MBR) treatment system and wastewater facility master plan.



*John Horvath*



*Tobin McKnight*



*Frank Miller*

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**Registration is OPEN!**

Make plans now to participate in Florida’s leading education and networking event for recycling and solid waste management professionals. Recycle Florida Today and SWANA FL are partnering again to host the 2016 Joint Summit, which will take place February 21-23, 2016, in Orlando at the Rosen Plaza Hotel.

<b>Registration Fees:</b>	Received by <u>Jan. 21, 2016</u>	Received after <u>Jan. 21, 2016</u>
<b>Members (SWANA FL or RFT):</b>		
Full Conference – Sunday/Monday/Tuesday	\$250	\$300
Single Day – Monday	\$150	\$200
Single Day – Tuesday	\$100	\$150
Exhibitor (includes 6’ table & 1 full conference registration)	\$550	\$600
<b>Non Members:</b>		
Full Conference – Sunday/Monday/Tuesday	\$400	\$450
Single Day – Monday	\$250	\$300
Single Day – Tuesday	\$150	\$200
Exhibitor (includes 6’ table & 1 full conference registration)	\$750	\$800
<b>Other:</b>		
Single Day Speaker – Day of Presentation	\$100	\$150
Young Professional (35 and under) and Retired Members (full conference)	\$200	\$250
Student/Regulatory Agency	Complimentary (meals excluded)	

**Meals:** Full conference registration includes welcome reception on Sunday; continental breakfast, lunch and dinner on Monday; and continental breakfast and lunch on Tuesday. Single day registration includes meals scheduled on that day only.

**Hotel Information:** The 2016 Joint Summit will be held at the Rosen Plaza Hotel (9700 International Dr, Orlando, FL, 32819). A block of rooms is available for participants who wish to stay over. To make your reservation online, click [HERE](#) to receive the discounted rate of \$139 per night. You may also contact the hotel directly at 1-800-627-8258. Be sure to mention SWANA, Recycle Florida Today and/or Joint Summit to receive this great rate, which is available until 5 p.m. on February 1, 2016. Reserve your room today!

Additional details can be found on the chapter website, [www.swanafl.org](http://www.swanafl.org).

**Register Now!**  
[www.regonline.com/2016jointsummit](http://www.regonline.com/2016jointsummit)

# 2016 JOINT SUMMIT

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## SPONSORSHIP OPPORTUNITIES

We invite you to become a sponsor of Joint Summit 2016. 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 and Recycle Florida Today websites
- \* 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 and recycling industries and by increasing your network of contacts and established partners within SWANA FL and Recycle Florida Today.

### GENERAL SPONSORSHIP OPPORTUNITIES:

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

### EXCLUSIVE SPONSORSHIP OPPORTUNITIES: *(available on a first-come, first-served basis)*

- Monday Dinner - \$5,000 - includes sole recognition at dinner, one full-conference registration and complimentary exhibit table
- Monday Lunch - \$4,000 - includes sole recognition at lunch, one full-conference registration and complimentary exhibit table
- Tuesday Lunch - \$4,000 - includes sole recognition at lunch, one full-conference registration and complimentary exhibit table
- Sunday Welcome Reception - \$3,000 - includes sole recognition at the reception and one full-conference registration
- Water Bottle - \$2,000 - includes logo on water bottles 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

Representative Name (to appear on namebadge): \_\_\_\_\_

Company/Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City, State Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**TOTAL DUE:** \$ \_\_\_\_\_

Check (Payable to SWANA FL)    VISA    MasterCard    Discover    American Express

Card Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Cardholders Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_

### SUBMIT REGISTRATION FORM AND PAYMENT TO:

SWANA Florida Sunshine Chapter, 3724 Johnathon Ave., Palm Harbor, FL 34685 or FAX to (727) 231-0693

**Questions?** Call Crystal at (727) 940-3397 or email [info@swanafl.org](mailto:info@swanafl.org)

Registration deadline for sponsors to be included in participant materials and on signage is January 28, 2016.



# 2016 JOINT SUMMIT

## PARTNERS IN PROGRESS

FEBRUARY 21-23

ROSEN PLAZA HOTEL  
ORLANDO, FL



REGISTER ONLINE AT [WWW.REGONLINE.COM/2016JOINTSUMMIT](http://WWW.REGONLINE.COM/2016JOINTSUMMIT)

## 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 the 2016 Joint Summit. The program will take place at the Rosen Plaza Hotel in Orlando, Florida, February 21-23, 2016.

- **Act quickly!** There are limited table-top exhibit spaces available.
- Table-tops will be located in Grand Ballroom CD, which is adjacent to the general session room.
- Welcome reception, two continental breakfasts, lunches and all morning and afternoon breaks will take place in Grand Ballroom CD.
- Table number/location will be assigned based on registration date. Register early for placement in high traffic areas!
- All display materials must fit on top of 6' table. Exhibitors may not move tables to make room for large displays.
- If you register by January 21, table-tops are only \$550 for members and \$750 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 January 28, 2016.

### EXHIBITOR SCHEDULE

#### Sunday

**1:00 - 4:30 p.m.** / Set-Up  
*(All exhibits must be set by 4:30 p.m.)*

**5:30 - 7:00 p.m.** / Welcome Reception in Exhibit Hall

#### Monday

**7:00 a.m. - 5:00 p.m.** / Breakfast, Lunch & Breaks in Exhibit Hall

#### Tuesday

**7:00 a.m. - 5:00 p.m.** / Breakfast, Lunch & Breaks in Exhibit Hall

**5:00 - 7:00 p.m.** / Tear-Down  
*(All exhibits must be removed by 7 p.m.)*

### QUESTIONS?

Contact the SWANA Florida Sunshine Chapter at (727) 940-3397 or email [info@swanafl.org](mailto:info@swanafl.org)

In order to be included in conference print materials, exhibitors must register by Thursday, January 28, 2016.

## 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 50 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](mailto: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](mailto: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**

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