



## TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

WWW.TBAEP.ORG

### MARKETING OPPORTUNITIES FOR YOUR ORGANIZATION !!

Last month, the Tampa Bay Association of Environmental Professionals board members implemented sponsorship policies for the organizations' monthly meetings. Opportunities as a monthly corporate sponsor and a student lunch sponsor are now available for organizations and individuals who are interested. Only one of each sponsorship type will be accepted per meeting.

The **Monthly Corporate Sponsor** will receive the benefit of a ¼-page ad in the newsletter and the name, logo and link of the company, corporation, or organization on the TBAEP website for thirty days. TBAEP will also place the sponsor's logo on the meeting announcement email as well as the follow-up meeting reminder email. Finally, the sponsor will be acknowledged at the monthly meeting. The cost of the monthly corporate sponsorship is \$500, which is a real bargain when you consider the opportunity to get your company's name in front of the eyes of over 1,400 Environmental Professionals in the Tampa Bay region.

The **Student Lunch Sponsor** will receive acknowledgement in the next month's newsletter and the benefit of their corporate or organization logo on the meeting announcement email as well as the follow-up meeting reminder email. The student lunch sponsor will be acknowledged at the monthly meeting. The cost of the student lunch sponsorship is \$125. This is an opportunity for Tampa Bay area students to attend a meeting free of charge. This sponsorship supports TBAEP's efforts to reach out to local students by helping them obtain local experience and jobs. Where else can you get this kind of value for your marketing dollars?

If your company, corporation, or organization is interested in sponsoring the Tampa Bay Association of Environmental Professionals Organization, please contact TBAEP Board Members Wendy Valle (WFValle@tecoenergy.com) or Greg Page ([Greg.Page@Arcadis-us.com](mailto:Greg.Page@Arcadis-us.com)) for more information.

-Heather Maggio, President TBAEP

AUGUST 2007

**Mark your Calendar!**

**Upcoming Meetings:**

- **Aug. 15 - 11:30-1:00**

*Tampa Bay Underwater Archaeology*

Dr. Michael Faught

EpiCenter at ICOT

- **Sept. 19 - 11:30-1:00**

*TECO's Renewable Energy Projects*

Shelly Aubuchon

EpiCenter at ICOT

- **Oct. 17 - 6PM**

*Florida Springs*

Dave Dewitt

SWFWMD Tampa Service Center

- **Nov. 15 - 4:30PM**

Folliday-Member Appreciation

Tampa Bay Watch Lighthouse

Link to map to EpiCenter:

[http://www.pced.org/download/document/20050526\\_170508\\_26332.pdf](http://www.pced.org/download/document/20050526_170508_26332.pdf)

**NAEP**

**CALL FOR PAPERS**

*CHANGING CLIMATES*

March 25-28, 2008 San Diego

Go to: [www.naep.org](http://www.naep.org)



### Monthly Meetings

Thanks to **Bruce Clark** from **SCS Engineers** for giving us an interesting presentation on a landfill redevelopment project. Thanks also to the **TECO Manatee Viewing Center** for sponsoring free student lunches at our July meeting.

TBAEP is required to pre-order lunches from the caterer for monthly meetings. We use the RSVP list to determine how many meals we will need and we are invoiced for the number we order. The Board of TBAEP has decided that individuals **who RSVP and do not attend the meeting** will be invoiced at the advertised rate, usually \$10 or \$15. At-the-door attendees who do not RSVP will be charged an additional \$5.00 for the luncheon.

## Tampa Bay Estuary Program

### Mini Grants

The Tampa Bay Estuary Program will once again offer small grants of up to \$7,500 for bay improvement projects proposed by citizen groups and organizations in Hillsborough, Manatee and Pinellas Counties. Schools, civic associations, non-profit organizations and other community groups are encouraged to apply. Application information is available on the TBEP website at: [www.tbep.org/bayminigrants.html](http://www.tbep.org/bayminigrants.html).

The Bay Grants program supports community-based restoration and education projects focusing on the Tampa Bay Estuary. Empowering citizens through programs such as this helps foster an environmental ethic and promote community stewardship of the bay. A guiding objective of Bay Grants is to mobilize as many segments of the public as possible.

The Bay Mini-Grant Program is financed by annual sales of the Tampa Bay Estuary specialty license plate, also known as the "tarpon tag." Grant monies are dispensed through reimbursement of expenses related to the grant project. Reimbursement can be made as often as once per month, and must be accompanied by an invoice and documentation of expenditures.

Applications for Bay Mini-Grants must be submitted by October 1 of each year. Funds will be awarded by mid-December. Projects must begin within six months and be completed within one year.

## MEMBERSHIP NEWS

Did you know that together we can achieve more? If every TBAEP member introduced the benefits and services of our association to a co-worker, colleague, friend or associate, we would double the resources available to meet the needs of **YOU**, our member. Not only financial resources, but human resources, our most important ones.

We'd like to welcome these new and renewing members to our organization:

Angela Baker	Victoria Colangelo
Kristen Collins	Joseph Eakle
Michael Early	Mark Flickinger
Mike Flanery	Richard Garrity
Kerry Iliff	David Keys
Thomas Levin	Sheri Lewin
Ron Noble	Josh Schmitz
Jake Stowers	Rob Toth

110 Current Members



### THE 2007 GREAT BAY SCALLOP SEARCH

Saturday, August 18th 2007, 9AM - 1PM

**COMMUNITY OUTREACH VOLUNTEERS NEEDED**

**FLORIDA ACQUARIUM'S MEMBER NIGHT**

Friday, August 17<sup>th</sup> 2007, 6PM - 9PM

Contact Alexis at [aackman@TampaBayWatch.org](mailto:aackman@TampaBayWatch.org)

### Ninth Circuit Rejects Attempt to Relax Dolphin-Safe Tuna Rules

The Ninth Circuit Court of Appeals unanimously rejected the Secretary of Commerce's attempt to loosen the rules governing dolphin-safe labeling on tuna sold in the US. The opinion in [Earth Island Institute v. Hogarth](#) primarily affects Mexican and South American fishing industries. It requires fisheries to comply with the standards set by Congress ten years ago to obtain the United States' dolphin-safe tuna label. Several international fisheries industries, as well as the Mexican government, expected the US to relax these comparatively strict requirements over time. As a result of *Earth Island II*, however, these standards cannot be changed without Congressional action.

In *Earth Island II*, the Ninth Circuit instructed the district court "to limit its mandate to one that directs the Secretary to vacate the agency's Final Finding of no significant adverse impact." As a practical matter, this opinion means that "there will be no change in tuna labeling standards absent new Congressional directive. The label of 'dolphin-safe' will continue to signify that the tuna was not harvested with purse-seine nets, and that no dolphins were killed or seriously injured when the tuna were caught." The result of *Earth Island II* does not likely align with the interests of international fisheries seeking to sell tuna in American markets. The opinion could end nearly twenty years of domestic litigation over the protection of dolphins from international tuna fisheries, at least with respect to dolphin-safe eco-labeling under the IDCPA.

For more go to: [www.martenlaw.com/news/?20070711-dolphin-safe-tuna-rules](http://www.martenlaw.com/news/?20070711-dolphin-safe-tuna-rules)

## Water Supply Crisis Impacts Tampa Bay Region

In July, Tampa Bay Water declared a Level III Water Supply Crisis---the agency's highest designation of water shortage. Under this designation, Tampa Bay Water's member governments are required to implement options for measurable demand reductions and to increase the enforcement of water restrictions. Tampa Bay Water will optimize all available supplies to continue to meet the region's demand for safe, high-quality drinking water. In spite of some recent localized showers, rainfall amounts in the Hillsborough and Alafia River watersheds have been substantially below normal since October 2005. As a result, flows in the Hillsborough and Alafia Rivers are 62% and 79% below normal, respectively. This caused Tampa Bay Water to cease regional water withdrawals from the rivers in March, and it has severely curtailed the amount of water the City of Tampa can withdraw from the Hillsborough River. Without above-average rainfall in these two watersheds and higher-than-normal river flow through the summer rainy season and fall, surface water supplies will not recover to provide storage for next spring's use.

"The localized rain that some neighborhoods have seen lately did lower demand but did not increase the available supply," explains Dave Bracciano, demand management coordinator for Tampa Bay Water. "The entire region needs to receive significant amounts of rainfall, which will help increase river flows slowly over time."

The C.W. Bill Young Regional Reservoir has supplied 9 billion gallons of water since October 2006 to offset the loss of surface water withdrawals. Currently, however, the reservoir has only 3.57 billion gallons in storage. Since the reservoir is refilled only when river flows are high, significant rainfall is necessary to replenish its supply.

"Residents should know their water utility is enforcing local watering restrictions," said Bracciano. "Since we are starting the rainy season, residents should be able to skip watering their lawns. Importantly, if you choose to water -- know your watering day."

Tampa Bay Water supports the efforts of local water officials in encouraging water conservation and the public's adherence to existing irrigation restrictions.

Hillsborough River Watershed Alliance River News

## Double Gold in Albuquerque

Jefferson Green is the first office building in New Mexico, and one of only a few in the world, to achieve double LEED Gold certification from the U.S. Green Building Council for Core and Shell and Commercial Interiors. It was designed by Dekker/Perick/Sabatini to use 45% less energy and 30% less water than a typical office building. Over 90% of the structural steel is recycled. Responsible construction practices resulted in reuse and recycling that diverted over 4,000 tons of material from landfill. Sustainable features include an underfloor air distribution system, advanced glazing and shading, operable windows, energy efficient lighting, low-flow plumbing fixtures, and a variety of recycled, regional, and low-emitting materials.

At 85,000 square feet the developers have stated that their goal is to showcase this building in order to demonstrate to the business community that "green" commercial buildings can be built and operated cost-effectively without sacrificing the comfort of their occupants. For more about Albuquerque's commitment to sustainable development go to: [www.cabq.gov/](http://www.cabq.gov/)



"It is the long-term impact of this approach that is most important to us--better buildings, happier people, and a healthier planet."

*Bill Sabatini, Design Principal*

## Three More States Adopt Greenhouse Gas Emissions Reductions Limits

The states of Hawai'i, New Jersey, and Florida have each recently adopted statutes or regulations requiring reductions in state-wide emissions of greenhouse gases ("GHG"). They join California, and Washington, whose legislatures earlier enacted similar plans. Florida also joined 22 other states and the District of Columbia in adopting renewable portfolio standards ("RPS").

In July, Florida's Governor Charlie Crist signed executive orders at a global warming conference in Miami setting emission targets for power companies, automobiles and trucks. The rules establish targets for Florida to reduce GHG emissions to 2000 levels by 2017, to 1990 levels by 2025, and to 80% below 1990 levels by 2050. In addition, the regulations impose an RPS limit for Florida utilities of 20% of their electricity from renewable sources, and require the Florida state government to reduce emissions by 10% from current levels by 2012, 25% by 2017 and 40% by 2025.

For more go to Marten Law Group: <http://www.martenlaw.com/news/?20070718-ghg-limits-adopted>



### UF Solar Power Research

Every hour, enough sunlight reaches the Earth to meet human's energy needs for a year; yet solar energy accounts for just 0.015% of the world electricity production. That's because for more than half a century, solar has relied on expensive silicon-based photovoltaic cells that simply have not been able to compete with cheap fossil fuels. But just as oil, gas, and coal are growing ever more scarce and expensive-economically, environmentally and politically-engineers and chemists at the University of Florida and elsewhere are developing a new generation of cheaper, lighter and more versatile solar cells. PV cells are comprised of light-absorbing materials that generate a current of electricity when hit by sunlight. When photons of light strike a PV cell, some electrons in the material absorb that light energy and use it to break the bonds that keep them tied to their atom. As these electrons search for a new home in another atom, they generate energy that can be captured as electricity. Since the 1950's, the most common and most efficient material for producing PV cells has been silicon wafers, which, for most uses, convert about 20% of the sunlight that hits them into electricity. But this efficiency comes at a high manufacturing cost, including the cost of the bulky stands that must support the heavy arrays of cells.

Now, UF researches are pioneering methods for making a new breed of exceptionally thin and cheap organic solar cells whose lower efficiency might be offset by their lower cost. These scientists see a future where roof tiles and paint generate their own electricity, and even fabric can produce enough energy to run an iPod or a cell phone.

"We can envision making huge sheets of PV cells that can be rolled up and taken out to the field and wired up," says chemistry Professor Kirk Schanze. "They could also be used as a tent, or tiles in a roof that would be inexpensive and replaceable."

Michal Meyer, July 2007 *Florida Trend*

### Court Ruling Opens up Aquaculture to Anyone, Regardless of Ownership of Abutting Shorelands

The Washington State Court of Appeals has held that the state Department of Natural Resources has the authority to lease the beds of all navigable tidal water to any person for aquaculture uses regardless of whether the lease holder owns the abutting shorelands. The Court of Appeals decision in *Echo Bay Community Association v. Department of Natural Resources* also defines "aquaculture" to include offshore storage of herring in net pens, even if the herring are not fed. The Court's decision is likely to be unpopular with many shoreline property owners.

For more go to: <http://www.martenlaw.com/news/?20070725-aquaculture-opened>

### Home Depot Eco Options Website

Home Depot is making it easy for you to identify products that make a difference, one choice at a time. They have a new web site devoted to helping you make smart decisions about the products you use. Every product with the Eco Options label has less of an impact on the environment than competing products. Specifically, Eco Options products offer one or more of the following benefits: Sustainable Forestry, Energy Efficiency, Healthy Home, Clean Air and Water Conservation. They also have an interactive home efficiency audit; calculators to determine energy savings; online workshops; and videos of product demonstrations. They offer a virtual "Green House" that allows you to look at products room-by-room from Energy Star appliances, to Energy Star qualified windows to lighting options that save energy. They also offer Eco Tips that give you activities that you can do to reduce your impact on the environment. Eco Tips range from water reducing habits to using paints that are low in Volatile Organic Compounds. Check out the Green Project Guides that provide tips that can turn an average home project into an Eco Friendly project. For instance their Healthy Home section gives a detailed list of organic fertilizers and soil enhancers, cleaning products that reduce toxins in the home and GreenScaping ideas that protect the environment while saving you time and money. Check it out at: [www.homedepot.com/ecoptions](http://www.homedepot.com/ecoptions).



## Crime Beat

### Virginia Man Goes to Jail for Using Homeless for Improper Asbestos Removal

John Edward Callahan, a two-time convicted felon, has been sentenced to 21 months in prison for improperly removing cancer-causing asbestos from a government building in Roanoke without following federal environmental laws. Callahan also used homeless men to conduct the work. "The defendant not only broke a law designed to protect the public from exposure to a known carcinogen like asbestos, but also used untrained and vulnerable homeless people to do the work for him," said Granta Nakayama, assistant administrator for EPA's Office of Enforcement and Compliance Assurance. "Today's sentence shows that those who put the health of the public at risk in order to make illegal profits will be prosecuted."

The City of Roanoke hired Callahan to remove asbestos-containing material from a building in March 2004. Callahan hired three homeless men to do the work, knowing the men were not certified or properly trained to remove asbestos. Callahan paid each man \$10 per hour for over three days of work. Callahan did not provide the homeless men with adequate protective gear and instructed them to cut the asbestos-containing material with knives and hack saws without first wetting it, which is required by federal law to safely remove asbestos. By not wetting the materials first, the men created harmful asbestos dust which could be inhaled into their lungs. As part of the investigation, the EPA's forensic laboratory in Denver, Colo., conducted sampling and analysis of the materials and confirmed the presence of asbestos.

The EPA requires anyone disturbing building materials that may contain asbestos keep the materials wet in order to prevent the fibers from becoming airborne. In this case, the asbestos containing material was placed in unmarked garbage bags and was neither properly sealed in leak-tight containers while wet nor labeled with the proper warning labels. Callahan hired a trash hauler to dispose of the asbestos waste at a landfill in Roanoke. Although the landfill had a special area for asbestos-containing material, the waste was improperly disposed of because Callahan failed to identify the waste.

Another company had to be hired at a cost of \$12,000 to properly remove the asbestos from the Roanoke building after Callahan started the job. Last February, Callahan pleaded guilty to one count of violating the Clean Air Act by knowingly removing asbestos-containing materials without following environmental laws.

USEPA

### Citgo Found Guilty of Environmental Crimes

Citgo Refining and Chemicals Co. was found guilty on July 17 of three misdemeanor criminal violations of the Migratory Bird Treaty Act by a judge in Corpus Christi, Texas. Various species of migratory ducks were killed after being coated with or ingesting oil as a result of landing in two open top tanks located at Citgo's Corpus Christi East Plant Refinery. From the air, the birds are attracted to the tanks, which appear to be ponds, and must be fitted with nets or other equipment to prevent the birds from entering or landing in the oil. The MBTA implements international treaties that protect birds migrating between countries and taking, killing or possessing migratory birds is unlawful, unless permitted by regulation.

Citgo Petroleum and Citgo Refining and its environmental manager were originally indicted by a federal grand jury on Aug. 9, 2006. The indictment contains four felony counts of violations of the CAA against Citgo Petroleum and Citgo Refining, five misdemeanor counts of violations of the MBTA against Citgo Refining and Philip Vrazel; and one felony count of false statements against Citgo Petroleum, Citgo Refining and Philip Vrazel. The court has yet to determine whether the government will be able to go forward on the false statement charge. Environmental manager Philip Vrazel was acquitted on five counts of violating the MBTA.

Sentencing of Citgo Petroleum and Citgo Refining is scheduled for Oct. 18, 2007 for the CAA and the MBTA convictions. Each violation of the MBTA is punishable by up to six months in jail and fines up to \$15,000 per bird. For the CAA violations, the company also faces fines of up to \$500,000 per count or twice the gross economic gain (whichever is greater) and five years of probation.

### San Diego Gas & Electric Convicted for Improper Asbestos Removal

A federal grand jury in San Diego found San Diego Gas and Electric Company guilty on three counts of violating asbestos work practice standards and one count of making false statements on July 13. The charges relate to the company's removal of asbestos from 9.23 miles of underground piping at the former Encanto Gas Holder facility in Lemon Grove, Calif., in 2000 and 2001. In addition, Kyle Rhuebottom, the project manager for the prime contractor on the site, and David Williamson, a company employee, were each found guilty of one count of violating asbestos work practice standards.

According to court documents, the company knew the piping at the Encanto facility was coated with asbestos, based on analytical testing. Once the company decided to sell the property, they solicited bids for demolition and removal of the asbestos-coated piping. Despite knowing that the piping coating contained asbestos, the company began removing the pipe wrap without treating it as regulated asbestos containing material.

The jury found that the company, Rhuebottom and Williamson failed to contain the asbestos or place it in a leak proof container. The jury also found that the company failed to provide adequate notice in advance of the asbestos removal, failed to adequately wet the asbestos during removal, and falsely claimed that a company employee was a certified asbestos consultant.

## HybridCars.com

### Perverse Incentives

Hybrid owners have different reasons for switching to a gas-electric vehicle. Some are motivated by a concern for the environment. Others are waging a small political protest against OPEC. And some folks are tired of getting burned by high prices at the pumps. Despite the varied and overlapping motivations, all hybrid owners attach a deeper significance—vague as it may be—to the fuel so easily pumped into our tanks.

If you have ever paused for a moment at the pumps to wonder where the stuff comes from and what it took to get it there, then race over to the bookstore—preferably on foot or bicycle—to pick up a copy of *Oil on the Brain: Adventures from the Pump to the Pipeline* by Lisa Margonelli. In the book, Margonelli chronicles her suspenseful journey from a gas station in San Francisco to a Texas drilling rig to the trading floor of the New York Mercantile Exchange, and then to Iran, Nigeria, Chad, and Shanghai. Bradley Berman sat down with her for an interview at the Oakland, Calif. office of the New America Foundation, where she is a research fellow examining the promise and possibility of a post-oil world.

Go to this link to read more about the four-part interview:

[www.hybridcars.com/oil-importance/margonelli-interview-pumps-refineries.html](http://www.hybridcars.com/oil-importance/margonelli-interview-pumps-refineries.html)

## Oil on the Brain: Adventures from the Pump to the Pipeline

### Tampa Bay Regional Transportation Forum

August 21, 2007 9AM - 11AM

Crowne Plaza - Sabal Park

10221 Princess Palm Ave, Tampa

Celebrate the creation of the Tampa Bay Area Regional Transportation Authority

The FDOT's new phase of the "Interstate of Transit"

ONE BAY the follow-up initiative from the Reality Check Tampa Bay and the creation of a regional vision including the future mobility of our region.

RSVP by August 14, 2007

Questions: Contact Katie Nohe [knohe@tampabay.org](mailto:knohe@tampabay.org) or 813-872-2814

### EPA Recognizes Top 25 Green Power Purchasers PepsiCo Bottlers Join List

EPA has updated its Top Green Power Purchasers list highlighting organizations committed to purchasing green power. The National Top 25 list of Green Power Partners accounts for more than 6 billion kilowatt-hours (kWh) per year of green power purchasing, more than 60 percent of the total kWh in the Green Power Partnership; reducing greenhouse gas emissions equivalent to those of more than 700,000 vehicles. Below is the top ten on the updated list of EPA's National Top 25 list, listed in descending order of purchase size as of July 2007.

PepsiCo

Wells Fargo & Company

Whole Foods Market

The Pepsi Bottling Group, Inc.

U.S. Air Force

Johnson & Johnson

USEPA

Kohl's Department Stores

Los Angeles County Sanitation Districts

Starbucks

For a complete list go to: <http://www.epa.gov/greenpower/partners/top25.htm>

From USEPA

### Redesigned Adopt-A-Pond Website

Check out the newly redesigned website for **Adopt-a-Pond**. The functionality is much greater than in the past and there's more customization available to groups. Members can now post pictures and submit and view online reports. They can also see water quality data for their pond, and even read announcements. Pond pages can also be customized with text and announcements, telling members what they can do to help. It's a great tool to help keep a group on-track and organized. Group representatives can contact John McGee to gain special access ([McGeeJ@HillsboroughCounty.org](mailto:McGeeJ@HillsboroughCounty.org)) for updating materials.

Take a look at:

<http://www.hillsborough.wateratlas.usf.edu/aap/>

Employment Opportunities				
Position	Employer	Exp.	Contact	Info.
Biologist	Faller, Davis & Assoc.	5-10 years	BHasbrouck@FallerDavis.com	Permitting, PD&E
Biologist	Delta Seven Inc.	0-2 years	PostOffice@Delta-Seven.com	Biologist
Env. Engineer	TECO	3 yrs. min.	www.tecoenergy.com	General responsibilities
Mgr. Lab Services	TECO	10 yrs. min.	www.tecoenergy.com	Supervisor experience req.

## Sustainability: The Shape of Things to Come

### Article 1: Closing the Loop: The Future of Public and Private Infrastructure

Regardless of what definition of sustainability you entertain, when sustainability is put into action it can be described as a process or way of doing business that encourages us to restore rather than degrade our natural environment, improve economic well-being for the long-term and ensure quality of life not just for ourselves but for our neighbors and generations to come. One great example of this process is the evolution of the "green" building movement. We are now living in an age where you have developers, builders and communities that are creating human developments that integrate into the natural environment, harvest and utilize rainwater, generate much of their energy through on-site renewable energy and waste-to-energy systems and provide for more productive and healthier place to live and work. What's more is that third-party standards are being established that are guiding and pushing this process forward in which governments are beginning to encourage through incentives programs.

So what does this growing trend mean for the public/quasi-public utilities that have traditionally provided private citizens and businesses water, wastewater and energy services? Communities will now have to rethink the construction, maintenance and financing of centralized public infrastructure. A strategic effort to both create an enabling environment for and effectively partner with private initiatives that introduce innovative ways to provide such services within development projects might be something that local and regional governments may want to consider. We still live in a world where municipal utilities provide the majority of services to the general public and likewise rely on a certain percentage of private residential and commercial developments being "hooked-up" to central public infrastructure to sustain their operation. Yet, now in some communities, impact fee reductions are provided for such initiatives that minimize their impact on public infrastructure or go "off the grid". You even have partnerships like the City of London's government/private sector joint venture-based Energy Service Company that provides off-grid renewable energy services for developments that are looking to be off the grid. What will the future hold for the Tampa Bay Area? The time is right for engaging in this type of dialogue.

Devesh Nirmul, Specialized Regional Agent - Urban Environmental Sustainability, Bushnell Center for Urban Sustainability

## UPCOMING CONFERENCES & WORKSHOPS

AQUATIC MACROINVERTEBRATE IDENTIFICATION PROGRAM	AUG. 13-17 OR AUG. 20-24	WARREN COUNTY, NY	<a href="http://WWW.HUDSONBASIN.ORG/MACROPROGRAM.HTM">WWW.HUDSONBASIN.ORG/MACROPROGRAM.HTM</a>
AMERICAN WATER WORKS ASSOCIATION TOXINS FROM HARMFUL ALGAL BLOOMS	AUG. 24	BROOKER CREEK PRESERVE	<a href="http://WWW.PINELLASCOUNTY.ORG/ENVIRONMENT">WWW.PINELLASCOUNTY.ORG/ENVIRONMENT</a>
FLORIDA REMEDIATION CONFERENCE	OCT. 11-12	ORLANDO	<a href="http://WWW.ENVIRO-NET.COM">WWW.ENVIRO-NET.COM</a>
ECOSYSTEMS RESTORATION & CREATION	NOV. 1-2	PLANT CITY	<a href="http://WWW.HCCFL.EDU/DEPTS/DETP/ECOCONF.HTML">WWW.HCCFL.EDU/DEPTS/DETP/ECOCONF.HTML</a>
FLORIDA BROWNFIELDS ASSOCIATION 10 <sup>TH</sup> ANNUAL CONFERENCE & EXHIBITION	NOV. 7-9	ORLANDO	<a href="http://WWW.FLORIDABROWNFIELDS.ORG">WWW.FLORIDABROWNFIELDS.ORG</a>
17 <sup>TH</sup> ANNUAL CLEAN GULF EXHIBITION & CONFERENCE	NOV. 15-16	TAMPA	<a href="http://WWW.CLEANGULF.ORG">WWW.CLEANGULF.ORG</a>
2008 WASTE-TO-FUELS CONFERENCE & TRADE SHOW	APR. 6-8	ORLANDO	<a href="http://WWW.WASTE-TO-FUELS.ORG">WWW.WASTE-TO-FUELS.ORG</a>
BROWNFIELDS 2008	MAY 5-7	DETROIT	<a href="http://WWW.BROWNFIELDS2008.ORG">WWW.BROWNFIELDS2008.ORG</a>

**TBAEP BOARD**

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Mad.Scientist@verizon.net

**At-Large Member, Ryan Oliver**  
Ryan.Oliver@Delta-Seven.com

**TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS**

New Member?  Yes  No    Renewal?  Yes  No    Date \_\_\_\_\_

\$45 Chapter Membership *and* FAEP Membership     \$10 Student Chapter Membership

National Association of Environmental Professionals Membership (optional)

\$150 NAEP only Dues    (NAEP Member # \_\_\_\_\_)

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Affiliation: \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_

ZIP: \_\_\_\_\_ Phone (w): \_\_\_\_\_

Email: \_\_\_\_\_ Fax: \_\_\_\_\_

CEP?  Yes  No

August newsletter

Employment:     Academic     Government     Private

Type of Work:     (1) Environmental Management     (2) Environmental Planning     (3) Environmental Compliance

(4) Biology-Botany, Ecology, Wildlife Management     (5) Engineering

(6) Law     (7) Environmental Consulting     (8) Other

Area of Expertise:     (10) Impact Assessment     (20) Design     (30) Permitting

(40) Monitoring/Analysis     (50) Teaching     (60) Research

(110) Waste Management     (120) Other

Degree(s)/Year \_\_\_\_\_ University \_\_\_\_\_

**AFFIRMATION:** I hereby affirm and agree that I will abide by the Code of Ethics of the Association. I further understand that falsification of the contents of this application will be grounds for rejection and/or termination of my Association membership and revocation of all benefits resulting there from.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Questions?  
Contact Greg Page  
(Membership Services)  
at 813-903-3124  
Greg.Page@Arcadis-us.com

**Mail to:**  
Teri Hasbrouck  
PCED  
13805 58<sup>th</sup> Street North, Suite 1-200  
Clearwater, FL 33760

Please make checks out to TBAEP