



TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

WWW.TBAEP.ORG

THE HYBRID BILL

On June 21, 2007, the Hillsborough County Commission voted to eliminate the wetlands division of the Environmental Protection Commission, EPC, and to amend the comprehensive plan and land development code to mirror the water management district's regulations. The motion passed 4-3, however, the elimination is not final yet, and the County Commissioners are willing to hear additional details of a proposed plan that may warrant a need for the EPC's wetlands division.

The Executive Director of the EPC, Dr. Rick Garrity, has developed a streamlined permitting process. His proposed plan contains recommendations on streamlining, duplication and a one-stop development permitting hybrid.

Dr. Garrity said his new approach has never been done in Florida. It would combine different county and state agencies so developers would submit project plans for only one wetlands review. Garrity calls it "one-stop" permitting.

According to the St. Petersburg Times, Garrity said "We're hoping through my hybrid solution we can show commissioners there is a way to make this work where they can have local control and have savings and economies at the staff level".

Dr. Garrity said he had not worked out all the details, but he envisions a "one-stop" permitting process that would bring together the county planning and environmental departments with the Southwest Florida Water Management District.

The "hybrid" bill may prevent the elimination of the wetlands division by "streamlining" the permitting, review and enforcement with other agencies. For the past 22 years, the EPC has imposed stricter rules on development than the state to safeguard wetlands that are $\frac{1}{2}$ acre or less.
-Heather Maggio, President TBAEP

Monthly Meetings

Thanks to **Mike Aubelle** from **Williams Gas Pipeline** for giving us a n insider's view of the Gulfstream Phase IV pipeline project.

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. For future meetings, 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.

JULY 2007

Mark your Calendar!

Upcoming Meetings:

- **July 18 - 11:30-1:00**

Redevelopment of Former Landfill

Bruce Clark

EpiCenter at ICOT

Student sponsor is **TECO**

Manatee Viewing Center

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

Tampa Bay Underwater Archeology

Dr. Michael Faught

EpiCenter at ICOT

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

TECO's Renewable Energy Projects

Shelly Aubuchon

EpiCenter at ICOT

Link to map to EpiCenter:

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



Where Are They Now?

TBAEP Founders and where they are today.

Featuring **Doug Robison**. Doug graduated from the University of Maryland in 1978 with a BS degree in Environmental Science. He worked for two years as a staff scientist with the Rocky Mountain Biological Laboratory in Colorado, then moved to Florida in 1978 to attend graduate school. He graduated from USF with an MS degree in Marine Science in 1981.

Mr. Robison was employed as a senior scientist by Mote Marine Laboratory (MML) from 1981 through 1983. His experience at MML focused on 316A & B studies for Tampa Electric Company and the Florida Power Corporation. From 1982-1983 he served as the on-site manager for a major environmental assessment study at the FPC Crystal River nuclear facility.

In 1984, Mr. Robison was hired as a Principal Environmental Planner with the Tampa Bay Regional Planning Council where he served as staff director for the Tampa Bay Management Study Commission which authored the first management plan for Tampa Bay - The Future of Tampa Bay.

Mr. Robison joined the engineering/planning firm of Wade-Trim in 1986 where he served as Environmental Services Program Manager, and in 1989 joined King Engineering in the same role. During this period, Mr. Robison was responsible for environmental assessment and permitting tasks associated with over 12 Developments of Regional Impact (DRIs), and over 30 roadway and land development projects.

In 1992, Mr. Robison started the Florida (St. Petersburg) office of Coastal Environmental. He served as office manager and senior scientist for Coastal, and was involved in numerous watershed management and habitat restoration studies conducted for the Tampa Bay National Estuary Program, SWFWMD, SFWMD, and local county governments. In 1996 Coastal Environmental was purchased by PBS&J. Mr. Robison currently works in the PBS&J Tampa office and serves as a Senior Scientist and Division Manager for the firm's East Sciences Division where he supervises over 80 ecologists from Florida to Virginia.

Steve Swingle, At-large Board Member

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:

David Dale

Lee Ford

Doug Grant

Terri Ifland

Manitia Moultrie

Denise Palmer

102 Current Members



July 3, 2007, Port Angeles WA



THE ED ALBER TARPON RODEO

Saturday, July 14th 2007, 6:30AM-3PM

STORM DRAIN MARKING IN HILLSBOROUGH COUNTY

Saturday, July 14th 2007, 9AM-12PM

VOLUNTEER OPPORTUNITIES WITH THE OCEAN CONSERVANCY

South Skyway Pier Project

Contact Jessica at 727-895-2188 x 14

FT. DESOTO SEA OATS PLANTING AND BEACH CLEANUP

Saturday July 14th 2007, 9AM-12PM

Contact Alexis at aackman@TampaBayWatch.org

Student Lunch Sponsor

We have a new advertising opportunity for your business!

At the May 9th Board meeting, the TBAEP Board voted to offer the first 10 students free attendance to our monthly meetings.

The Board also voted unanimously to offer companies and individuals the opportunity to **sponsor** the cost of 10 lunches each month. In exchange for your financial contribution to this worthy effort we will include the name of your company or enterprise in the meeting announcement at the first of the month, the meeting reminder the week prior to the luncheon, announce you as the **Student Sponsor** at the meeting, and also give you credit in the newsletter. If you are the **Student Sponsor**, the name of your company will reach as many as 1,400 Environmental Professionals, several times in that month. The cost of the Student

Sponsorship is only **\$125** each month.

Contact THasbrouck@PinellasCounty.org

So what are you waiting for ????????

Jury Convicts Eastern Idaho Man for Hazardous Waste Violations

On June 19th, a federal jury in Pocatello returned guilty verdicts against a former Salmon resident for violating the Hazardous Materials Transportation Safety Act and illegally storing and disposing of hazardous waste, violations of the Resource Conservation and Recovery Act. Krister "Kris" Sven Evertson, 53, of Wasilla, Alaska, is scheduled to be sentenced on Aug. 28 at the federal courthouse in Pocatello. He faces maximum penalties of five years in prison and a fine of \$250,000 on each of the three counts.

Evertson is the former owner and president of SBH Corp., a Nevada corporation that is now defunct. He transported 10 metric tons of sodium metal from its port of entry at the Seattle-Tacoma Port Complex to Salmon, Idaho, where he used some of the sodium in an effort to manufacture sodium borohydride. Evertson arranged for the transportation of the sodium metal not used in the manufacturing process and several above-ground storage tanks which contained sludges and other liquids to a facility in Salmon. Sodium metal and the materials in the tanks were highly reactive with water, and the jury found that Evertson failed to take protective measures to reduce the risk that the transported material would react and damage persons or property.

USEPA

Brazilian pepper-Schinus terebinthifolius

Brazilian pepper is one of the most aggressive, non-native invasive plant species in the Tampa Bay area. Thousands and thousands of acres in Florida are infested with this pest plant. Introduced in the 1800's as an ornamental in Florida, Brazilian pepper forms dense, ten-meter high thickets just about anywhere - including urban areas, along ditches, abandoned land, along roadsides (just take a look on either side of you while traveling south on I-75), canal banks, and in our wetlands, hammocks and pine woods. The growth habits and resilience are the reasons why this plant negatively affects Florida's native plant and animal communities.

Identifying characteristics:

Brazilian pepper is a large, multi-trunk shrub or tree with arching and crossing branches. This aggressive plant can grow to 40 feet tall; forming monoculture thickets. Compound leaves are evergreen, and a glossy green color. Leaflets are generally found elliptic to oblong and 1-2 inches long, with 7-9 leaflets per leaf. Crushed leaves smell peppery or like turpentine.

Female plants form small white flowers almost every month, but most profusely September - November, producing clusters of red berries.

Growth Habits:

Schinus terebinthifolius is found especially in moist, organic soils, but will grow in any soil type. This hardy plant can withstand flooding, is salt-tolerant, and can also survive drought.

Control Methods:

Be sure to use gloves when handling this plant, as Brazilian pepper is in the same family as poison ivy. The sap may irritate skin and its pollen may cause respiratory irritation. If possible, schedule removals in late summer to early fall before new berries set and ripen. If hand-cutting, dig up as much of the root system as possible. Larger trees should be cut to the ground and stumps treated with triclopyr ester. Killing the plant using basal bark application method is another effective control method. From the "Identification and Control of Non-Native Invasive Plants in the Tampa Bay Area." Interested folks may request one from the Tampa Bay Estuary Program by calling 727-893-2765 or download from their website at

<http://www.tbep.org/press/pdfs.html>



HybridCars.com

Prius Popularity Powered by Vanity

What's the number one reason for the success of the Toyota Prius? According to a new survey by CNW Marketing Research in Bandon, Ore., owners said, "It makes a statement about me." More than half of the respondents cited self-righteousness and smugness about their green credentials—far outnumbering those who chose higher fuel economy, lower emissions, styling or other factors such as tax incentives. The survey formed the backbone of a front-page article that ran in the *New York Times* on July 4, 2007. In the article, one owner is quoted: "I really want people to know that I care about the environment."

This is not the first attribution of smugness applied to hybrid drivers. In an episode of Comedy Central's *South Park*'s entitled "Smug Alert," which first aired on Comedy Central on Mar. 29, 2006, one of the main characters persuades all the citizens of South Park to buy hybrid cars. The new hybrid drivers quickly begin to feel way too good about their environmental efforts, speaking with their eyes closed, and repeatedly telling each other, "Good for you." Disaster ensues when the smugness emanating from South Park's hybrid drivers combines with a cloud of smug from the general population of San Francisco and another from George Clooney's 2006 Oscar acceptance speech.

According to the CNW survey, the hybrid smug cloud is—in reality—on the rise. The number of Prius drivers who selected "Makes a statement about me" in early 2007 was 57 percent—a significant gain from the 34 percent of Prius owners who gave that response to a CNW survey in early 2004. The *New York Times* article did not mention the total number of respondents or describe the methodology of the CNW survey. CNW recently made headlines throughout the country by issuing an update of a study which claims that the [total lifetime energy cost](#) of a Hummer H3 is lower than the cost of a Toyota Prius or Honda Civic Hybrid.



From "Smug Alert," an episode of Comedy Central's *South Park* which focused on hybrid drivers.

Do You Know Where Your Water Comes From?

June 25, marks the official start to summer and as temperatures steadily increase across the U.S., so will Americans thirst for water. EnviroMedia's survey, conducted by Opinion Research Corporation January 11-14 among 1,015 Americans, showed that only 32% of Americans say they definitely know the natural source of their drinking water. However, there is a high willingness among Americans to conserve water in order to ensure a plentiful supply for the future. *Our research suggests Americans would do their part to save hundreds of millions of gallons of water a day if they were reminded that their drinking water originates from a natural source, such as a lake or river, before it gets to their taps*, said EnviroMedia President Kevin Tuerff. The link between knowledge of a local water source and willingness to conserve is never more important than during hot, dry summer months when water use peaks in most communities.

According to the U.S. Environmental Protection Agency, the average American family uses about 400 gallons of water a day, and about 30% of that is devoted to outdoor use as homeowners and businesses try to keep their grass green. But the EPA says as much as 50% of water used outdoors may be wasted due to run-off, evaporation and over-watering, putting a strain on community water supplies in many parts of the country. According to EnviroMedia's poll, 90% of Americans are willing to conserve at least 5% of their current water use. Almost one-fifth are willing to conserve as much as 20%.

Ensuring ample water supply for our children over the next few decades is a big concern in many parts of the U.S., said Carole Baker, chair of the Alliance for Water Efficiency, a national organization advocating for water efficiency research and education. It's heartening to know there is hope with education.

In the same study, 65% of Americans claimed to know the fuel source for their electricity. Only 16% cited coal, America's primary fuel source for electricity and major contributor to climate change.

Although these two statistics may seem unrelated, they tell an important story, said EnviroMedia CEO Valerie Davis. *In general, it seems that Americans are uneducated consumers when it comes to their utilities and this lack of knowledge may create an unintended barrier to conservation.*

Go Green!

EPA's new Go Green! Newsletter Helps Consumers Make a Difference

America is shifting to a "green culture" in which all 300 million citizens are embracing the fact that environmental responsibility is everyone's responsibility. As a step in that direction, citizen environmental partners can sign up to receive EPA's new consumer newsletter, Go Green! EPA is launching this monthly, email newsletter to provide "what you can do" information on activities and events that everyone can use to make a difference just about anywhere- in homes,

workplaces, schools and communities.

The newsletter will include information on such issues as how to calculate individual energy use, upcoming environmental activities and observances and recent news reports from EPA.

To subscribe please register at:

http://service.govdelivery.com/service/subscribe.html?code=USAEPA_298

For general information about Go Green!

At: <http://www.epa.gov/newsroom/gogreen>

From USEPA

MAPPS et al, vs. US Federal Procurement Suit

A decision has been announced in the MAPPS et al., v. United States Federal Procurement Suit. The judge granted summary judgment for the United States Government based on his finding that neither MAPPS nor the other plaintiffs had established standing to sue. The plaintiffs were not able to show the requisite "injury in fact." Because standing is a prerequisite to consideration of the merits of a case, he did not reach the merits. The decision against MAPPS is a minor victory for the Amicus signers but the case was decided on standing not merits. It is difficult to read anything into the judge's decision other than general skepticism for MAPPS' position.

"It is...worth noting that the record unambiguously reflects that the provision of "mapping" services in the modern marketplace includes a much broader scope of work than the traditional mapping work of land surveyors."

"For these reasons, the affidavits do not establish that an injury in fact was suffered by the individual surveyors or their firms, and accordingly, no standing exists. Accordingly, summary judgment must be granted in favor of the government."

T.S. Ellis, III US District Judge

from GISCI

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	Broad spectrum

Calculate Your Environmental Impact

With just a few clicks of the mouse and a ZIP code, consumers can see how their individual energy use is affecting the Earth. EPA's Power Profiler calculates how much air pollution results from individual electricity use, the fuels used to produce that electricity and how to reduce the impact. "EPA's Power Profiler makes it easy to research the air emissions that come from using electricity at home," said Bob Meyers, acting assistant administrator for EPA's Office of Air and Radiation. "All you need is a ZIP code and you're on your way to understanding your environmental impact." EPA has updated the Web-based Power Profiler with recently released data on emissions and fuels. In addition to learning the emissions from their individual electricity use, users can see how they compare with national averages.

The air pollutants used in the calculator are carbon dioxide (CO₂), sulfur dioxide (SO₂) and nitrogen oxides (NO_x). CO₂ contributes to global warming or climate change, while NO_x and SO₂ contribute to unhealthy air quality and acid rain in many parts of the country. Power Profiler displays the fuel mix in percent coal, oil, gas, nuclear, hydro-electric (water), and other renewable sources including biomass, wind, solar, geothermal, and landfill gas.

With information from the calculator on their monthly electricity use, consumers can assess their annual emissions. The site also guides users to other Web-based information showing how to reduce emissions from one's home or business through greater energy efficiency and use of renewable energy.

More about the Power Profiler at: <http://www.epa.gov/cleanenergy/powerprofiler>

Oregon Requires 25% Renewable Power by 2025

Oregon Governor Ted Kulongoski signed legislation in June that requires the state's utilities to draw on renewable energy for 25% of their power needs by 2025. The state's aggressive new renewable energy policy includes interim targets of 5% renewable power by 2011, 15% by 2015, and 20% by 2020. To meet the requirement, utilities can draw on wind, solar, geothermal, biomass, wave, or tidal energy resources. Utilities can also meet the requirement with new hydropower projects or efficiency upgrades to existing hydropower facilities. Utilities that fall short of the requirement must instead pay a fee into an account that could support research and development, future renewable energy projects, or energy efficiency efforts. The legislation includes a lower standard for small utilities and includes a 4% cost cap: utilities are not required to meet the standard if doing so would result in a cost increase of more than 4%. See the governor's [press release](#), a fact sheet on the bill ([PDF 33 KB](#)).
EERE News

Largest Solar Thermal Plant in 16 Years Now Online

Acciona Energy announced last week that Nevada Solar One, a 16-megawatt solar thermal power plant near Boulder City, Nevada, is now online. The new facility is the largest of its type to be built in the world since 1991, although a 1-megawatt solar thermal plant was built in Arizona last year. Like its predecessors, Nevada Solar One relies on long lines of trough-shaped parabolic mirrors that focus the sun's heat onto a receiver tube filled with a heat transfer fluid, such as oil. The fluid is heated to about 750 degrees Fahrenheit and is then used to produce steam, which drives a turbine and generator to produce electricity. The Nevada Solar One plant consists of 47 miles of parabolic mirrors arranged in a grid and will produce enough power to supply 15,000 average U.S. homes. See the June 7th press release by selecting "English" in the lower left corner of the [Acciona Energy Web site](#).
EERE News

UPCOMING CONFERENCES & WORKSHOPS

CLIMATE CHANGE SUMMIT	JULY 12-13	MIAMI	WWW.MYFLORIDACLIMATE.COM
PHASE I ESA AND AAI TRAINING COURSE	JULY 16-17	MARCO ISLAND	FLORIDA ENVIRONMENTAL ASSESSORS ASSOCIATION 850-558-0616
FLORIDA CHAMBER'S 21 ST ANNUAL ENVIRONMENTAL PERMITTING SUMMER SCHOOL	JULY 18 - 20	MARCO ISLAND	WWW.FLORIDAENET.COM/PERMITTING.PHP
INTERNATIONAL SOIL AND WATER CONSERVATION SOCIETY-INVASIVE SPECIES SYMPOSIUM	JULY 21-25	TAMPA	WWW.SWCS.ORG
AQUATIC MACROINVERTEBRATE IDENTIFICATION PROGRAM	AUG. 13-17 OR AUG. 20-24	WARREN COUNTY, NY	WWW.HUDSONBASIN.ORG/MACROPROGRAM.HTM
HABS	AUG. 24	ST PETERSBURG	
FLORIDA REMEDIATION CONFERENCE	OCT. 11-12	ORLANDO	WWW.ENVIRO-NET.COM
ECOSYSTEMS RESTORATION & CREATION	NOV. 1-2	PLANT CITY	WWW.HCCFL.EDU/DEPTS/DETP/ECOCONF.HTML
FLORIDA BROWNFIELDS ASSOCIATION 10 TH ANNUAL CONFERENCE & EXHIBITION	NOV. 7-9	ORLANDO	WWW.FLORIDABROWNFIELDS.ORG
17 TH ANNUAL CLEAN GULF EXHIBITION & CONFERENCE	NOV. 15-16	TAMPA	WWW.CLEANGULF.ORG
BROWNFIELDS 2008	MAY 5-7, 2008	DETROIT	WWW.BROWNFIELDS2008.ORG

TBAEP BOARD

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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

July 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
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Please make checks out to TBAEP