

Sustainable Fort Bragg

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Fort Bragg a STAR in Integrated Pest Management



Fort Bragg was recently awarded IPM STAR Certification in recognition of its outstanding commitment to child welfare and environmentally-friendly pest management practices in Child and Youth Services (CYS) facilities.

The certificate was presented to Fort Bragg Garrison Commander COL David Fox by Dr. Thomas Green, President of the Integrated Pest Management (IPM) Institute of North America, Inc., 6 November at Tolson Youth Center. The ceremony was at-



Sheri Crowe/Paraglide

Dr. Tom Green of IPM Institute of North America presents COL Fox with the IPM STAR certificate in a VIP ceremony at Tolson Youth Center 6 November.

tended by representatives from the Environmental Protection Agency (EPA),

Armed Forces Pest Management Board (AFPMB), Office of the Director of Environmental Policy (ODEP), United States Army Center for Health Promotion and Preventative Medicine (USACHPPM), Installation Management Command (IMCOM), U.S. Army Environmental Center (USAEC) and North Carolina State University.

USAEC Commander COL Michael O'Keefe was also in attendance. Speakers for

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Rob Harris receives Leadership Award for LEED work

The U.S. Green Building Council (USGBC) recently recognized Rob Harris, Chief of the Engineering Division, Directorate of Public Works, as one of "2007's most influential green building leaders" for his exemplary work with Leadership in Energy and Environmental Design (LEED™) on Fort Bragg.

Harris received the prestigious honor 8 November at the USGBC's annual Leadership Awards celebration, held in conjunction with the Greenbuild International Conference and Expo in Chicago, IL. He was honored specifically for his efforts to develop LEED programs for both existing Fort Bragg infrastructure and \$3 billion in new construction slated to occur over the next five years.

LEED, a standard developed by the U.S. Green Building Council, is a nationally-recognized rating system that scores new and existing buildings based on their energy usage and environmental conservation.

"If there has ever been a group effort that Fort Bragg needs to be recognized for, it's something like this could happen on such a scale if it weren't for the efforts of many."



Oscar Einzig Photography/USGBC

Rob Harris with his award at the GreenBuild Expo, accompanied by (from left) USGBC President, CEO and Founding Chairman S. Richard Fedrizzi and Board of Directors Chair-Elect Rebecca L. Flora and Chair Sandy Wiggins.

the event were: COL Fox, Dr. Green, and Linda Rimer, EPA Region 4 Liaison.

STAR Certification recognizes Integrated Pest Management (IPM) practitioners whose programs meet rigorous high standards for IPM in schools, childcare centers and school-age programs. IPM programs effectively manage pests using comprehensive and sustainable approaches to adequately detect and remedy pest problems, and administer long-term preventative solutions at minimal risk to health and the

environment.

Fort Bragg's Directorate of Public Works (DPW) and Directorate of Morale, Welfare and Recreation (DMWR) began pursuing STAR Certification in 2006. The program focused specifically on Fort Bragg's seven CYS centers serving 11,395 military children.

The effort was aided by USAEC, which conducted several pre-inspections and coordinated final inspection by the IPM Institute. In July 2007, Fort Bragg received notification that it was eligible for certification. To date, Fort Bragg is

only the eighth Army installation—and the first childcare system in North Carolina—to be STAR Certified!

“This certification represents a momentous effort on the part of our Integrated Pest Management program staff and reflects Fort Bragg's continued commitment to upholding high standards for the health, safety and well-being of our children through the safe and effective use of pesticides,” noted Dr. Christine Hull, Chief of DPW Environmental Compliance Branch.

E-Waste Drive Kicks Off New Recycling Initiative

Fort Bragg's Directorate of Public Works (DPW) is celebrating the recent expansion of its Qualified Recycling Program with an energetic five-month household electronic waste recycling drive.

The campaign kicked off on 17 November, shortly after America Recycles Day, and will continue through March. As part of the drive, volunteers are on hand to collect unwanted household electronics 1100-1500 hours at the North and South Post PX parking lots on the third Saturday of each month.

Electronic waste, or “e-waste”, is defined as broken, unwanted or end-of-life electrical or electronic appliances. Household e-waste items being accepted at the drive include: laptops, computer hard drives and monitors, USB cables, mice, keyboards, printers, scanners, fax machines, circuit boards, televisions, telephones and mobile phones, calculators, CDs/DVDs, video game systems, video games, etc. Government-issued items will *not* be accepted.

As new electronic devices and attractive technology continue to flood the market, outdated models are often disposed of without regard to their recyclable value. As a result, electronic waste is quickly becoming one of the fastest-growing percentages of America's trash. For this reason, Fort Bragg has expanded its standard recycling services to include this growing category. Household e-waste is now accepted free of charge at the DPW Recycling Facility (Bldg. 3-1240) 0730-1600 hours Monday through Friday.

Electronic products contain valuable recyclable resources such as plastic, metal and glass,



as well as hazardous materials like mercury and lead which may be harmful if improperly handled. Recycling unwanted electronic equipment conserves natural resources, reduces energy and the amount of virgin materials used to manufacture new products, and protects human health and the environment by keeping these hazardous substances out of local landfills.

For more information on Fort Bragg's ewaste recycling drive, contact Leigh Ann Walker at (910) 432-8437. To learn more about Fort Bragg's recycling program, call Tim Nance at (910) 396-5323. Contact DRMO at (910) 396-5222 to turn in government-issue electronic equipment.

Employee Spotlight : Tom Blue



The Fort Bragg Sustainability Team would like to extend a warm welcome to its new Facilities Team Planner, Tom Blue.

As a Board-certified Engineer and Land Surveyor, and former lead manager, designer and modeler on more than 100 projects, Tom brings a wealth of knowledge and experience to the position.

Tom has a B.S. in Civil Engineering and Environmental Engineering and a Master of Civil Engineering from NC State University. Currently, he is working on his PhD in Civil & Environmental Engineering.

Tom's professional career is rooted in a strong multidisciplinary background in site engineering, stormwater management, landscape design, ecosystem rehabilitation, and mathematical simulation.

Tom lives in his native town of Southern Pines, NC, with his wife and two children. He serves as Vice President of the Conservation Council of North Carolina, on the Sustainable Sandhills Board of Directors and as Water Team Leader.

After merely seven months of planning and three months of construction, Fort Bragg recently celebrated the landmark completion of its first steel shipping container building.

The two-story, 4,322 square-foot container building—the first of its kind to be constructed both on the installation and in the entire U.S.—was unveiled 7 November. The facility, officially known as the 249th Engineers Company Operations Building (Bldg. 3-2633 on Butner Road), will house two company detachments.

SG Blocks, in partnership with Alberici Constructors, Inc., The Lawrence Group and ConGlobal Industries, were chosen as subcontractors to The Clement Group for the turn-key project.

Fort Bragg's new container facility is constructed of 12 used 14-gauge steel shipping containers, each of which measures 9'6" high by 8' wide by 40' long and weighs approximately 8,500 lbs. The modules are built to hold an impressive 50,000 lbs each—almost double that of standard construction.

The resilient design of container buildings is expected to save homeowners and businesses thousands of dollars on long-term maintenance costs and potential damages from wind, fire, moisture, mildew, and other damaging elements.

While its structure differs from standard military construction in many aspects, Fort Bragg's newest building conforms to code where it counts—exterior appearance, lifecycle expectation and cost of construction. "As construction costs continue to climb, it is becoming increasingly difficult to build decent-sized structures under the \$750,000 limit for minor construction," explained Rob Harris, Chief of the Engineering Division, Directorate of Public Works. "Innovative solutions that reduce material costs and construction time such as recycling shipping containers will have to be the answer."

According to early reports, converting used shipping

containers into building units may also offer a much-needed solution to a confluence of growing national problems, including rising construction and materials costs, diminishing virgin steel resources, widespread deforestation of timber for construction, and the mounting excess of abandoned shipping containers collecting at U.S. seaports.

While shipping container construction is not an entirely new concept for the U.S. military, which utilizes similar designs in overseas tactical situations, this particular

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Erin McDermott/Env. Mgmt. Branch

Fort Bragg's new container building appears identical to standard military construction, but it boasts superior strength and resistance to wind, fire and moisture.

What's Online...

New Shuttle Bus Website Helps Riders Go 'Green'

With the recent launch of its convenient new online trip planner, now it's easier than ever for Fort Bragg commuters to reap the benefits of riding the Fort Bragg Shuttle System.

The brand new site, found at <https://www.airborne.bragg.army.mil/ito/ITOSite/.html>, features three easy ways to access up-to-date shuttle service schedules and route information. Users can also view a directory of nearby attractions easily reachable by foot from each stop or browse recreational interests according to category.

The Fort Bragg Shuttle is a free transpor-

tation system serving the Fort Bragg area. The shuttle service, provided by the Department of Logistics/Transportation, was launched by ITO Chief Tim Shea after 9/11 primarily as a means to transport mobilizing/demobilizing troops without requiring use of POVs. Since its inception, the Fort Bragg Shuttle has transported over 61,000 soldiers, dependants, and civilians.

Currently, the shuttle serves over 400 buildings on the installation, transporting riders to and from 12 locations for work, dining, entertainment, shopping and other points of interest. The route also connects to the Fayetteville Area Systems Transit (FAST) at Butner Road for transportation to off-post sites such as Historic Downtown Fayetteville. The shuttle is open to everyone on Fort Bragg, provided there is sufficient space available for mo-

bilizing and demobilizing soldiers.

In addition to offering a convenient and accessible travel alternative, the shuttle is easy on the environment, limits dependence on foreign oil and promotes sustainable transportation solutions. Each individual riding the shuttle represents one less vehicle—and its associated harmful emissions—on Fort Bragg roads!

Fort Bragg's Sustainable Transportation Team, part of the Garrison's sustainable communities goal, continues to develop its partnership with FAST to extend bus and shuttle services to the entire installation, including housing.

For more information on the Fort Bragg Shuttle System, contact Charles Young at (910) 907-1819 or via E-mail at charles.young13@us.army.mil.

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**How do YOU practice
sustainability?**

We want to know!

**Call Erin McDermott at
910-396-3341.**

Container Building... (continued from pg. 3)

building has the distinction of being the first multi-story commercial structure in the U.S. to use them as an integral building component for permanent infrastructure needs, says Nat Hermann, an Army Corps Resident Engineer and the Project Champion.

The building's inter-modal design is one of several currently being proposed for the

This early model is anticipated to serve as a prototype for future development and usher in a new era of innovative sustainable design solutions for Fort Bragg.

For more information on Fort Bragg's shipping container building, contact Nat Hermann at (910) 396-9977 or Nathan.Hermann@usace.army.mil.

Around the Compound...



NEPA Team Recognized

NEPA Analysts (from left) Christie Lowery, Lisa Gundlach and Shana Marchetti were recognized for their outstanding contribution to Construction Project Execution in FY 2007. SMS Coordinator Emile Gillin and UST/AST/IRP/CC Program Manager Steven Harris also received awards for their earlier work with NEPA.

Names in the News

Environmental Project Coordinator **Irby Tucker**, Community Resource Coordinator **Erin McDermott**, and NEPA Analyst **Christie Lowery** joined the Sustainability Team in Spring 2007, followed by Wildlife Biologist **Rod Fleming** in late June.

During the month of October, former Water/Wastewater Program Manager **Randy Franklin** became NEPA Coordinator after **Emile Gillin** left the position to assume the role of Sustainability Management System (SMS) Coordinator. Planner **Luci Fernandez** vacated her position with the Materials Team to join the Utilities Team.

Tom Blue came aboard as the new Facilities Planner in late November.

Sustainable Community News...

- Sustainable Sandhills' Air Team joined forces in October with the Fort Bragg Air Team and Cumberland County's Early Action Compact Technical Committee to form the Combined Air Team (CAT). The CAT will focus on projects and tasks that improve air quality and promote alternative modes of transportation.
- Sustainable Sandhills hosted the second annual Moore County Green Building & Solar Tour on Saturday, 13 October, as part of the American Solar Energy Society's National Solar Tour. More than 150 people visited homes on the tour, including a straw bale home in Robbins, NC.
- Sustainable Sandhills hosted a Sandhills Water Resources Conference 8-9 November. More than 130 local officials, engineers, and other community leaders attended the event in Southern Pines, which featured speakers from across the state and country discussing a very timely topic in light of the ongoing drought.

In Our Next Issue....

- Spring 2008 Forum for Excellence
- 2008 Objective Team Projects
- Team Off-Site Recap

WE'RE ON THE WEB AT:
www.bragg.army.mil/sustainability/

The Right Way...

The Green Way...

All the Way!

