

DV

Desert Voice Magazine
Serving U.S. and Coalition Forces in Kuwait

June 6, 2007



The New Army Green

**U.S. military compounds in
Kuwait cleaning up footprint**

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On the cover

The New Army Green: The Army tries new and innovative ways to conserve and reuse energy

Photo by Sgt. Thomas L. Day

Force Protection Flash

As we head into the summer months and a substantial transition of forces, it is imperative that we maintain our vigilance and educate transitioning Soldiers on the current operational environment. We must maintain our individual protective measures and adhere to the established policies regarding force protection.

Over the past several months, several U.S. females have been approached outside of camps by unidentified men. In several instances men have attempted to have female drivers pull to the side of the road, either by suggesting vehicle trouble or by pretending to be a law enforcement official.

It is important that we practice the following individual protective measures:

- Avoid traveling alone – use the buddy system.
- Minimize traveling in hours of darkness.
- Notify your unit when you depart and when you expect to arrive at your destination.
- Report suspicious incidents. Get a description of the suspicious person or persons and the vehicle.

Through maintaining vigilance, adhering to these personal protective measures, and educating our incoming forces, we can greatly reduce the vulnerability of our force, thus enabling mission success.

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Summer Safety

Heat Can Kill

Prevention Works

Drink:

- Drink enough water to replace your sweat losses.
- Don't wait to feel thirsty; your body may need water before you feel thirsty.
- Remind your buddy to drink. Grab a bottle of water at every opportunity.
- Look at your urine. If it is dark or if you have not urinated, you need to drink more.

Eat:

- Eat meals to replace salts. Drinking too much water and not eating enough salt may be fatal.
- Do not follow low calorie diets while operating in a hot environment.
- Do NOT take any dietary supplements containing ephedra (ma-huang) ANY time.

How to Spot Trouble

Notify someone if you are:

- Dizzy.
- Have a headache.
- Nauseated or have vomited.
- Feeling very tired or weak.
- Confused or your buddy notices you are "acting differently".
- Sick or were sick yesterday.
- On any medication.

Work/Rest and Water Consumption Table

Applies to average sized, heat-acclimated soldier wearing BDU, hot weather. (See TB MED 507 for further guidance.)

Easy Work	Moderate Work	Hard Work
• Weapon Maintenance • Walking Hard Surface at 2.5 mph, < 30 lb Load • Marksmanship Training • Drill and Ceremony • Manual of Arms	• Walking Loose Sand at 2.5 mph, No Load • Walking Hard Surface at 3.5 mph, < 40 lb Load • Calisthenics • Patrolling • Individual Movement Techniques, i.e., Low Crawl or High Crawl • Defensive Position Construction	• Walking Hard Surface at 3.5 mph, ≥ 40 lb Load • Walking Loose Sand at 2.5 mph with Load • Field Assaults

Heat Category	WBGT Index, F°	Easy Work		Moderate Work		Hard Work	
		Work/Rest (min)	Water Intake (qt/hr)	Work/Rest (min)	Water Intake (qt/hr)	Work/Rest (min)	Water Intake (qt/hr)
1	78° - 81.9°	NL	½	NL	¾	40/20 min	¾
2 (GREEN)	82° - 84.9°	NL	½	50/10 min	¾	30/30 min	1
3 (YELLOW)	85° - 87.9°	NL	¾	40/20 min	¾	30/30 min	1
4 (RED)	88° - 89.9°	NL	¾	30/30 min	¾	20/40 min	1
5 (BLACK)	> 90°	50/10 min	1	20/40 min	1	10/50 min	1

- The work/rest times and fluid replacement volumes will sustain performance and hydration for at least 4 hrs of work in the specified heat category. Fluid needs can vary based on individual differences (± ¼ qt/hr) and exposure to full sun or full shade (± ¼ qt/hr).

- **NL** = no limit to work time per hr.
- **Rest** = minimal physical activity (sitting or standing) accomplished in shade if possible.

- **CAUTION: Hourly fluid intake should not exceed 1½ qts.**

Daily fluid intake should not exceed 12 qts.

- If wearing body armor, add **5°F** to WBGT index in humid climates.
- If doing Easy Work and wearing NBC (MOPP 4) clothing, add **10°F** to WBGT index.
- If doing Moderate or Hard Work and wearing NBC (MOPP 4) clothing, add **20°F** to WBGT index.

For additional copies, contact: U.S. Army Center for Health Promotion and Preventive Medicine Health Information Operations Division at (800) 222-9698 or CHPPM - Health Information Operations@apg.amedd.army.mil.
For electronic versions, see <http://chppm-www.apgea.army.mil/heat>. Local reproduction is authorized.
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British soldiers train

⇒ Third Army/U.S. Army

Pvt. Christopher T. Grammer
Desert Voice staff writer

Tying tan scarves over their faces, British soldiers of the 1st Mechanized Brigade prepare to train in Military Operations in Urban Terrain during a dust storm at Camp Buehring, Kuwait.

British army Cpls. Paul Davenport

and Scott Hodgekinson, both MOUT instructors, offer last minute instructions as weapons and body armor are readied in preparation for the last training exercise in the seven-day training program.

The training is broken down into three stations, including

Humvee Egress Assistance Training, Improvised Explosive Device training and MOUT training. They also learn basic vehicle maintenance and acclimatize to the desert environment, said British army Sgt. Garry Bradshaw, instructor on acclimatization for the 1st Mech. Bde.

“It’s definitely well worth doing,”



A British Soldier watches his sector of fire near a broken vehicle during Military Operations in Urban Terrain training at Camp Buehring, Kuwait, recently. The troops are preparing to head to Iraq.

at Camp Buehring

prepare troops for Iraq



Photos by Pvt. Christopher T. Grammer

British troops watch the perimeter as a building is checked during Military Operations in Urban Terrain training at the Training Village in Camp Buehring, Kuwait, recently.



British troops stack outside the door of a building during training at the Training Village at Camp Buehring, Kuwait.

Bradshaw said about the training.

Bradshaw and the other instructors provide the vital training to the British soldiers who come through Camp Buehring on their way to Iraq. The soldiers need this training to prepare them for operations in Iraq.

"It's pretty good," British army Pvt. Matthew Reynolds said about the IED training. "It has opened my eyes to how sophisticated the IED attacks are."

The troops are split up into infantry sections, two four-man teams armed with two SA80A2

Individual Weapons one with Underslung Grenade Launcher, 5.56mm Light Machine Gun and an SA80A2 Light Support Weapon, Bradshaw said.

Stacked outside a door in the training village, the British soldiers prepare to clear the building of mock insurgents.

A foot smashes into the door, flinging it open, allowing the soldiers to file into the building. Sounds of gunshots explode into the air as dummies dressed as insurgents are apprehended. "Clear!!" is shouted out, breaking the silence following the skirmish.



A British soldier stands guard during training on Camp Buehring, Kuwait, recently.



Green Wave

Charging the Army on more than just petrofuels

Sgt. Thomas L. Day
Desert Voice Staff Writer

Joe Amadee is not the kind of man many would expect to change the United States military. Amadee is a former Army officer, but at 52, he more resembles a biology professor than a general. He carries with him a loaded briefcase, not a charged M16 rifle. His concern is not with the newest tank model, but how much mileage that tank can get out of a gallon of gasoline.

On May 23, Amadee arrived in Kuwait from Fort Belvoir, Va.,

to run some experiments on several American military compounds in the country. Amadee, a Pittsburgh native, is the Army's point man on reducing use of energy from fossil fuels, and he arrived with a mandate to reduce petrofuel dependence in the Army by 40 percent.

He came with ideas that test the bounds of imagination. One idea uses cooking grease from the dining facility, using a portable distillery, to convert the oil into biodiesel. The efficiency of the conversion process – a common

criticism of ethanol made from corn – will make about 100 gallons of biofuel with 100 gallons of cooking oil, using just one gallon of jet fuel to power the process.

The potential for clean power generation, cooking oil use could be enormous. One Camp Arifjan dining facility, Amadee learned, uses 180 gallons of cooking oil a week.

The Rapid Equipping Force team's arrival came amidst a renewed effort by the Army's Environmental Health Safety Program in Kuwait, led by

The Zone 6 Chapel at Camp Arifjan, Kuwait, is sprayed with a polyurethane foam insolate. The foam insolate solidifies within hours of its application, providing a shell around the tent strong enough to walk on. After the project is completed, the insolate cuts down on energy use needed to air condition the tent by as much as 85 percent.



Photo by Sgt. Thomas L. Day

“There’s been a huge change in mentality.”

Randy Wright
ASG-Kuwait Environmental Support Team



Photo by Sgt. Thomas L. Day

Randy Wright, to clean up the Army’s environmental footprint in the country. “Anything that we can do to decrease the amount of energy we consume is considered to be an extremely good thing by our hosts,” Wright explained.

Amadee and Wright, based on opposite sides of the globe, are two parts of an Army-wide push to clean up operations in the face of mounting evidence of global climate change. In Kuwait in May, their ideas converged.

Environmental and tactical

The REF team used Kuwait to test their energy-saving ideas. When they landed in country, they were met by Maj. Richard Shemenski, the director of public works for ASG-Kuwait.

Environmental and tactical concerns dictated their activities, Shemenski explained. Air conditioning was a particular bugaboo. “We want to reduce the need for air conditioning, which cuts down on the need for energy, which cuts down on the need for fuel, reducing the need for convoys, which saves lives,” Shemenski said.

The need for greater energy efficiency was evident to Amadee during an earlier visit to an American compound in Djibouti, where he found that 10,000 gallons of diesel were being used every day. Of that sum, only 1,000 went into vehicles – the rest

went into generators, primarily to air condition uninsulated tents. “Air conditioning the desert,” Amadee jested.

Amadee and his team used tents at Camp Buehring and Camp Arifjan to test an insulating foam solution, which they use to cover the exterior, giving the tent the appearance of a winter wonderland when they’re finished. When the foam dries, it solidifies into a protective shell strong enough to walk on.

The REF team predicts that the foam shell will

Continued on Page 8

What you can do...

At work:

Choose energy efficient appliances when making new purchases.

Look for the Energy Star logo -- the U.S. Environmental Protection Agency-sponsored label for energy efficient products -- on new appliances to choose the most efficient models..

Unplug electronics from the wall when you’re not using them.

Even when turned off, things like hairdryers, cell phone chargers and televisions use energy. In fact,

the energy used to keep display clocks lit and memory chips working accounts for 5 percent of total domestic energy consumption and spews 18 million tons of carbon into the atmosphere every year!

Buy recycled paper products

It takes less 70 to 90% less energy to make recycled paper and it prevents the loss of forests worldwide.

Save paper

Print double sided and avoid wasteful printing. The world consumes five times more paper than in 1950. The average office worker is estimated to dispose between 100 and 200 pounds of paper every year.

What you can do...

At home:

Replace a regular incandescent light bulb with a compact fluorescent light bulb (cfl).

CFLs use 60% less energy than a regular bulb. This simple switch will save about 300 pounds of carbon dioxide a year. If every family in the U.S. made the switch, we'd reduce carbon dioxide by more than 90 billion pounds!

Move your thermostat down 2° in winter and up 2° in summer.

Almost half of the energy we use in our homes goes to heating and cooling. You could save about 2,000 pounds of carbon dioxide a year with this simple adjustment.

Clean or replace filters on your furnace and air conditioner.

Cleaning a dirty air filter can save 350 pounds of carbon dioxide a year.

Use less hot water.

It takes a lot of energy to heat water. You can use less hot water by installing a low flow showerhead (350 pounds of carbon dioxide saved per year) and washing your clothes in cold or warm water (500 pounds saved per year) instead of hot.

Turn off electronic devices you're not using.

Simply turning off your television, DVD player, stereo, and computer when you're not using them will save you thousands of pounds of carbon dioxide a year.

Reduce the number of miles you drive by walking, biking, carpooling or taking mass transit wherever possible.

Avoiding just 10 miles of driving every week would eliminate about 500 pounds of carbon dioxide emissions a year!

Start a carpool with your coworkers.

Sharing a ride with someone just 2 days a week will reduce your carbon dioxide emissions by 1,590 pounds a year. eRideShare.com runs a free national service connecting commuters and travelers.

Check your tires weekly to make sure they're properly inflated.

Proper inflation can improve gas mileage by more than 3%. Since every gallon of gasoline saved keeps 20 pounds of carbon dioxide out of the atmosphere, every increase in fuel efficiency makes a difference!

Tips courtesy of ClimateCrisis.Net



Photo by Sgt. Thomas L. Day

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The REF team predicts that the foam shell will reduce energy use by as much as of 85 percent.

Brig. Gen. Steven M. Anderson, a senior resource officer for Gen. David H. Petraeus' Multinational Force-Iraq, was sold on the idea. "I don't want a demonstration," he told Amadee during his visit to Baghdad in May. "I want a significant effort."

Amadee will be back later this month to insulate "30 to 40 tents" at one Baghdad compound, he said.

More energy efficient blueprints are moving toward construction. One proposal for a wind turbine at a U.S. compound along the Iraq border has generated interest among Army officers and their Kuwaiti hosts. The turbine, which resembles a giant fan, would convert the kinetic energy in stiff Kuwaiti winds into electricity.

"The people here are working feverishly to do this and looking for all the help they can get. I sense a very great sense of urgency."

Joe Amadee
Rapid Equipping Force



Photo by Sgt. Thomas L. Day

Solar paneling helps power several American compounds in Kuwait, but not without challenges. The paneling loses voltage if the panels are not kept clean. “Quite a chore” in the desert environment, said Cmdr. Michael Mosbacher.

The U.S. Army wouldn't be the only benefactor of the proposal. Excess power generated by the turbine would be sent into the Kuwait power grid. The proposal is awaiting approval from the Kuwaiti government before production, Amadee said.

‘A huge change in mentality’

The Army's environmental push in Kuwait didn't begin when Amadee and his team arrived. Randy Wright has been with the ASG-Kuwait Environmental Support Team since January 2004. Last year, after a negative environmental inspection, Wright redoubled his efforts to curb carbon emissions and energy inefficiency at the U.S. military compounds in Kuwait.

Wright wrote and quickly began implementing the ASG-Kuwait Environmental Handbook, which he pushes to every unit operating in country. To expand his reach, unit-level

environmental compliance officers, or ECOs, go through three days of training to shrink their unit's environmental footprint.

A water treatment plant was installed at the remote Camp Buehring. New solar panels began appearing at other compounds. Wright rigorously enforced Army-wide strictures regarding the use of O-zone depleting substances, or ODS (Freon, for example).

“There's been a huge change in mentality,” Wright said. “By putting these things together, when we were reinspected in March of this year, we received an overall ‘Sustain’ (rating).” Pollution prevention and spill response were highlighted in the March inspection report.

Don't expect the environmental push to slow down now.

Recently, \$1.2 million of

equipment for handling hazardous materials was imported into theater by U.S. Navy Cmdr. Michael Mosbacher, the environmental engineer for ASG-Kuwait.

The Rapid Equipping Force is researching ways to increase efficiency of solar power, a process inhibited by the punishing desert sandstorms. The desert heat and sand punishes the batteries, something Amadee is looking to fight.

Nobody is taking their time in implementing these changes. As best-selling magazines publish weekly reminders of global warming, Amadee has sensed an Army ready to transform. “The people here are working feverishly to do this and looking for all the help they can get,” the REF environmental chief said. “I sense a very great sense of urgency.”

'Defenders' win with home court advantage

► Camp Arifjan, Team 1 takes the prize in Operation Hardwood IV



Photo illustration by Spc. Wes Landrum

Camp Arifjan Garrison Commander, Col. John Alexander, congratulates Camp Arifjan Team 1 Defenders' Coach Sgt. First Class Pernell Mabry after the Defenders captured the Operation Hardwood IV Tournament Title with a 79-74 victory over the Life Support Area Team Sunday. The Defenders went 6-1 in route to the championship.

The win capped off a 6-1 record for the Defenders. They lost the first game in pool play to the LSA, 50-47. They never tasted defeat again eventually avenging the loss to the LSA with a 49-45 win in the tournament.

Evans said he hated to lose but was thankful for the early loss.

"We were playing reckless," Evans said. "The loss grounded us and got us focused on the ultimate prize."

Swancy said Prosser's fiery demeanor would not let them lose.

"Coach is a pretty intense guy," Swancy said. "It was like I was playing college ball for him at Wake Forest. I wanted to win so badly for him."

While the 2007 version of Operation Hardwood is in the books, the servicemembers say they will treasure the moments spent with the coaches.

"They treated us like players, not as Soldiers, Sailors, Airmen, and Marines," Swancy said. "They made the tournament fun."

"Coach Brey told us afterward that he loved us and thanked us for what for a job well done," Jackson said.

Prosser told the capacity crowd after the game that the coaches got as much out of this trip and the players did.

"We have a new perspective of what you guys do," Prosser said. "We will go back and tell the folks back home what a great job you guys are doing over here."

Brey said for so long the servicemembers had the country's back. He said it was time for a change.

"This time, we have your back and I could not be more proud of each and every one of you," Brey said.

Spc. Wes Landrum Desert Voice staff writer

It was standing room only as the Zone One gymnasium at Camp Arifjan, Kuwait, played host to the championship game of the Operation Hardwood IV tournament. The game featured the top two teams in the tournament, the Life Support Area versus the Camp Arifjan Team One Defenders. National Guard Staff Sgt. Dexter Ward, from Belzoni, Miss., scored 15 points as the Defenders pulled away late to win 79-74.

"It was a great win for us," Petty Officer 2nd Class Sammy Swancy, Camp Arifjan, said. "We played hard and refused to give up. That's been our motto the whole tournament."

The first half resembled a heavyweight boxing match. Both teams traded shot for shot. The biggest lead for either team was only four points. However, things changed with five minutes left.

LSA guard and Lansing, Mich., native Spc. Randy Jackson stole an errant pass and raced down the court for a lay-up. Three turnovers later, the score was 28-20 LSA.

The Defenders trimmed the lead to 31-28 on Ward's first three-pointer of the half. However, it seemed the LSA was just too tough. They closed out the final two minutes of the half on a 7-2 run capped off by a half-court shot by Dominic Ubuch to make the halftime lead 38-32 LSA.

"We got to them in the first half," Jackson said. "We put pressure on them and they collapsed."

"We had a great game plan," LSA and Notre Dame Coach Mike Brey said.

"Our goal was to make them beat us from the outside. We put so much pressure on them that they could not get good looks at the basket."

The second half started off much like the first, with one exception. Camp Arifjan was doing the scoring.

The Defenders used a 10-0 run in the opening five minutes of the half to retake the lead 42-38. They never trailed again.

"We wanted to come out strong in the second half and take momentum back," Sgt. Steven Evans, Camp Arifjan, said.

The game went back and forth and was tied at 74 with 45 seconds left. That's when Camp Arifjan's Spc. Charles Kelly, from Houston, got the ball.

Kelly moved out to the three-point line and received the ball. With no one guarding him, Kelly launched a shot. The ball sailed through the basket giving the Defenders a 77-74 lead. Two free throws by Staff Sgt. Julius Gulley gave the Defenders the final margin of victory.

"This team never quit," Defenders and Wake Forest basketball coach Skip Prosser said. "I told them if it was a close game, we would win."

Hardwood Winners

Women's three point competition:

1st Place- Naomi Ramos
2nd Place- Lauren Maloney
3rd Place- Natasha Williams

Men's three point competition:

1st Place- Steven Evans
2nd Place- David Garner
3rd Place- Marcus Williams

Slam Dunk competition:

1st Place- Earl Hill
2nd Place- Julius Gulley
3rd Place- Justen Smith

Championship Game winner:

Camp Arifjan Team 1 "Defenders"



Hometown Hero

Spc. Melissa Wright
513th Transportation Company

Wright is a transportation specialist responsible for transporting supplies and equipment for the 513th Transportation Company in Kuwait.

Wright says why she misses her home, in Las Vegas, Nevada.

"I miss my family; they are the most important thing to me."

Just One Question...

"What is the significance of Memorial Day to you?"



"To remember the people in my family and others who have served in the military and made the ultimate sacrifice."

Petty Officer 1st Class Nathan Taylor
Navy Customs
LSA-Kuwait



"Remembering those Soldiers who sacrifice their lives for this country."

Command Sgt. Maj. Timothy Allen
Mount Washington, Ky.
678th Personal Services Battalion
Command Sergeant Major



"Time to remember and a time to celebrate."

Staff Sgt. Derrick Jackson
Muskegon, MI.
Transportation Specialist
70th Military Transportation Det.



"Remembering the sacrifices that all the servicemembers have made."

CW3 Solomon Moody
Atlanta, GA.
Third Army, Kuwait



"Its a community effort to recognize the freedoms we enjoy."

Lt. Junior Grade Sarah Thomas
Camden, ME.
Emergency Medical Facility
Camp Arifjan, Kuwait



Memorial Day

At Camp Arifjan, servicemembers take time to remember our fallen

Photo by Spc. Jennifer McFadden



Photo by Spc. Jennifer McFadden



Photo by Spc. Jennifer McFadden

(Top) A color guard made up of Soldiers, Sailors, Marines and Airmen present and display a commemorative wreath representing each branch of service May 28, in a Memorial Day ceremony, at Camp Arifjan, Kuwait. (Above left) Maj. Gen. Dennis Hardy and Command Sgt. Maj. Rossie Peters present a special wreath for fallen Third Army Soldiers in a ceremony May 28, Camp Arifjan. (Above right) Memorial Day gets off to a running start when servicemembers gather to honor fallen Soldiers with a ceremony and formation run. (Below left) Servicemembers sing praises and worship during a Memorial Day prayer breakfast at Camp Arifjan, Kuwait. (Below right) Brigadier General Douglas Lee, Assistant to the Chief of Chaplains for Mobilization and Readiness, speaks during a Memorial Day prayer breakfast at the Oasis dining facility Wed. May 30.



Photo by Pvt. Christopher Grammer



Photo by Pvt. Christopher Grammer