

Fuel Line

Defense Energy Support Center

April 2007



Inside this issue:

New Southwest Asia complex opens for business

First Air Force fuelies graduate from Fort Lee

Endangered butterfly receives TLC

From the Director

First impressions 100 percent true



**Interim DESC Director
Rear Adm. Henry Tomlin**

**I encourage
you to engage
in the process
of reshaping
DLA... to share
your
processes and
stories with
the rest of the
enterprise...**

When I came to the Defense Energy Support Center in January, I had an opportunity to share my initial impressions about DESC in a town hall meeting, and in this column. I spoke of my pride in having the opportunity to take part in a critical mission, and more importantly to serve with a powerful team of professionals who know their business and take great pride in how they do their jobs.

Now, as I leave DESC I can tell you that my admiration for the DESC team has only grown. My first impressions proved 100 percent true.

Across the board, DESC team members demonstrate a strong sense of identity with the mission. And in a myriad of ways, they strive to find new ways of better serving the warfighter. From bringing improved fuel services to fruition in Southwest Asia, to shepherding a group of Air Force fuels specialists through a newly-joint course at Ft. Lee, and to sponsoring supplier conferences and professional tours in the Middle East, as you can read about in this issue, DESC team members are making a real difference to the warfighter. By encouraging collaboration and innovation, by constantly seeking efficiencies of both processes and financial investment in equipment and training, DESC improves the military services' ability to wage the war on terror and to achieve critical training while focusing funding on operations. Your customer and supplier relationships are nothing short of phenomenal.

DESC and her sister DLA organizations have much to learn from each other; the similarities in delivering a critical product to the warfighter are greater than we might suppose. DESC is already deeply engaged in many of the actions that Lieutenant General Dail has set as goals for the enterprise as a whole. In particular, the strength and depth of your supplier and customer relationships at each end of the supply chain, an inherent part of your day-to-day business, could serve as a benchmark for the rest of the agency. I encourage you to engage in the process of reshaping DLA and in discovering enterprise solutions — to share your processes and stories with the rest of the enterprise and to help describe the possibilities that exist.

Senior leaders have been impressed with how quickly I've picked up on the energy business. This is really a measurement of how fully your team invested in me. I thank you sincerely for your willingness to accept me, to educate me on your business, and to let me represent you over the past few months.

I'm sure you'll provide the same warm welcome and support to Mr. Sanders as he assumes directorship of DESC in April. He comes to DESC with 28 years of military logistics experience including a tour as director of the U.S. Central Command Deployment and Distribution Operations Center in Kuwait. I'm confident your support will enable him to provide the top-notch leadership you deserve.

I look forward to bringing all I've learned about the DESC team and mission to my role as Director of Joint Reserve Forces for DLA. Through the years I've learned the greatest rewards come from the relationships established with fellow co-workers. You have been some of the best. Though I know I have no right to call myself a "Fuelie," I now know how much I've missed by not being one!

Henry B. Tomlin, III

DESC provides effective, economical and comprehensive energy solutions for the Department of Defense and other customers.

Fuel Line

In this Issue:

From the Director.....2

Focus on DESC

New Director reports in April.....	4
Fuels specialists tour Tryco tank farm in Middle East....	5
New Middle East fuels complex, service expedite refueling..	6
Middle East region hosts annual suppliers conference.....	8
QAR experiences a “Gray and Lonely Day” on the road....	9
Arch Chemicals closes McIntosh hydrazine facility...10	
Endangered butterfly breeding program takes flight..12	
First joint quality control and laboratory class graduates..14	
Simms and Storm support Operation Enduring Freedom.....	16
Abizaid visits Pakistan and DESC Middle East team....	16
DESC Korea spouse provides new childcare service....	17
Sanders assumes command of DESC.....	18
Hands-on butterfly rearing taps into human parenting	20
Ergonomics: Priority One.....	22
DESC Americas East holds annual chili cookoff.....	23

The Big Picture

Dail begins series of messages, outlines strategies.....	24
Dail addresses strategic goal: “Extending the Agency”...25	
Air Force and DLA plan BRAC implementation.....	26
First National Security Cutter Bertholf fuels up.....	26
DESC’s sister ICP expedites oil contract.....	27

In the Limelight

Duplessie, Lyons named DLA Employees of the Quarter....	28
Duplessie named DESC Employee of the Quarter.....	28
Fuelies attend the Joint Forces Staff College.....	30
DCST Kuwait displays pride -- and colors.....	30
DCST members prepare for liftoff.....	31
Readers write the caption for photo.....	31

On the cover: A Coast Guard rescue swimmer from Air Station Atlantic City prepares to enter the water off of Atlantic City, N.J., during a water rescue training exercise Sept. 18, 2006. (U.S. Coast Guard photo by Chief Petty Officer Tom Sperduto.)



Interim Director

Rear Adm. Henry B. Tomlin,
SC, USN

Interim Deputy Director

Capt. Jeff Cox, SC, USN

Public Affairs Officer

Patrick Jones

Editor

Susan Declercq Brown

Fuel Line is an official quarterly publication distributed by and for the Defense Energy Support Center and fuel-oriented clientele. Contents of this publication are not necessarily the official views of, or endorsed by, the U.S. Government, the Department of Defense, the Defense Logistics Agency, or the Defense Energy Support Center. *Fuel Line* is prepared by desktop publishing applications.

Address correspondence to:
ATTN: DESC-DE, Defense Energy Support Center, 8725 John J. Kingman Rd., Suite 4950, Ft. Belvoir, Va., 22060-6222. DSN 427-0099, Commercial 703-767-0099. Address e-mail to: DESC.FuelLine@dla.mil



New Director *Sanders reports in April*

By Susan Declercq Brown
DESC Public Affairs

Maynard (Sandy) Sanders has been selected for the Senior Executive Service position of DESC Director. Defense Logistics Agency Director Army Lt. Gen. Robert T. Dail announced his selection Feb. 26. Sanders, who at the time of selection was on active duty as an Army Reserve brigadier general serving as deputy commander for mobilization at the Military Surface Deployment and Distribution Command, reported to DESC in early April.

“His combination of logistics, business and leadership experience is ideally suited to the challenges of leading DESC’s global operations,” Dail said.

Sanders has more than 28 years of service in the U.S. Army and the Army Reserves. Commissioned upon graduation from the U.S. Military Academy, West Point, N.Y., in 1978, Sanders completed field artillery and Army Ranger training before being assigned as a battalion ammunitions and property book officer in Wertheim, Germany in 1980. He rose to battery commander before transferring to the reserve forces.

He has served in a variety of positions and commands, including instructor, ordnance and maintenance. Since 1995,

his focus has been in transportation and mobilization, both in reserve and active duty assignments. He has served in his capacity as deputy commander for mobilization, SDDC, since 1994.

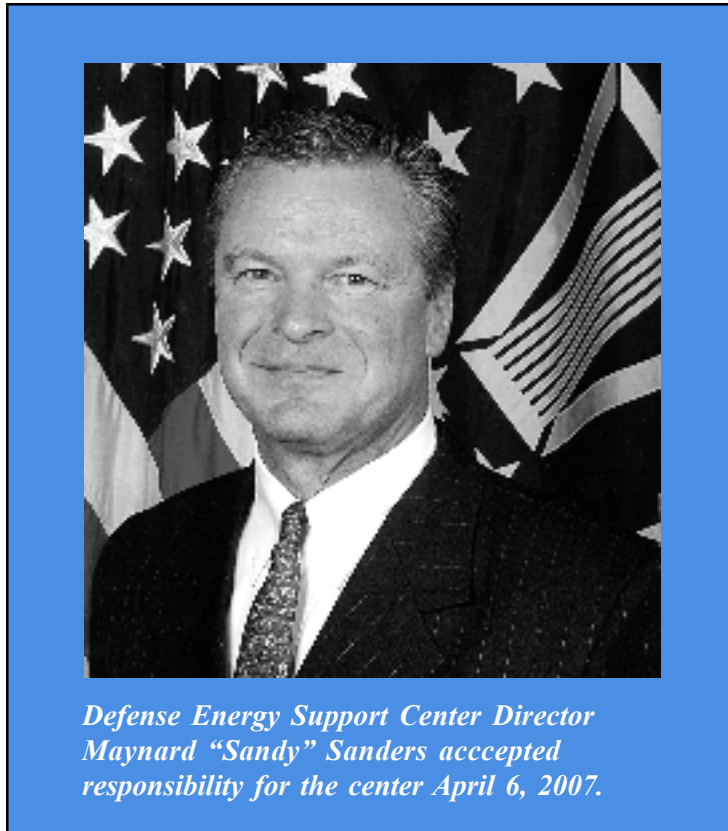
Sanders served as director of the U.S. Central Command Deployment and Distribution Operations Center, in Arifjan, Kuwait, from October 2005 to April 2006.

He has extensive experience both in uniform and in the private sector, Dail said in his announcement. For more than 18 years, he was the owner and president of a financial business in Alabama.

“His SDDC and CDDOC experience provided powerful insight into DLA’s operational capabilities and the perspectives of our warfighting clients,” said Dail.

“I am confident Mr. Sanders will deliver the kind of world class leadership that the talented professionals of DESC deserve.”

A story on Sander’s assumption of responsibilities from Rear Adm. Henry B. Tomlin, III appears on page 18.



Defense Energy Support Center Director Maynard “Sandy” Sanders accepted responsibility for the center April 6, 2007.

“I am confident Mr. Sanders will deliver the kind of world class leadership that the talented professionals of DESC deserve,” said Dail.

Fuels specialists tour Tryco tank farm in Middle East region

By DESC-Middle East Office

Fuel specialists in the U.S. Central Command area of responsibility toured the Tryco tank farm Feb. 17. Tryco representatives provided the tour of the 3.9 million-gallon tank farm in Kabul, Afghanistan, to petroleum specialists from the Defense Energy Support Center Middle East, International Security Assistance Force, Combined Security Transition Command – Afghanistan, and Defense Logistics Agency Contingency Support Team Afghanistan.

DESC has a 2.8 million-gallon JP8 storage contract with Tryco which is at the Defense Fuel Support Point Kabul. DFSP Kabul was established in the last year to act as a strategic reserve to support U.S. forces operating inside of Afghanistan.

Tryco Operations Manager Mahadev Gondlekar and Tryco Accounts Officer Prashant Chavan hosted the tour and outlined the tank farm's history, layout, processes and operations. After the formal presentation, the group toured the tank farm on foot. Mahadev pointed out the various tanks, along with the down load and up load procedures and capabilities.

The tank farm was constructed, using two existing storage tanks, after Kabul was liberated from Taliban rule. The farm is located in a village near the Kabul International Airport, and Tryco employed local villagers to do the construction work. This tradition of employing local villagers at the tank farm continues to this day. According to Mahadev, when the construction began, it was with U.S. government business in mind, along with providing jet fuel to the airport.

Tryco is in the process of expanding the tank farm by building more tanks that will have the ability to hold jet fuel, gasoline, or diesel depending on customer requirements. By the end of this year, Tryco projects it will have 6.8 million gallons of storage throughout Afghanistan.

Participants said one of the most important benefits of this

tour was the time provided for the fuel specialists from various organizations to meet and discuss fuel support to U.S. and coalition forces.

ISAF's primary role is to support the government of Afghanistan in providing and maintaining a secure environment in order to facilitate the re-building of Afghanistan. ISAF consists of 35,000 troops with contributions from 37 nations.

CSTC-A in partnership with the government of Afghanistan and the international community, plans, programs and implements reform of the Afghan Police and defense sectors in order to develop a stable Afghanistan and strengthen the rule of law.

The tour was part of a recent assistance visit performed by DESC-ME in Afghanistan.



Tour participants climbed on top of a storage tank to view the complex as part of the February Tryco tank farm tour. Pictured from left to right are Tryco Operations Manager Mahadev Gonlekar; DESC Middle East Commander Army Col. Mark A. Olinger; German Army Lt. Col. Ekkehard von Holtendorff, chief of logistics operations for the International Security Assistance Force; British Army Maj. Mark Comer, Class III supply officer for ISAF; and Air Force Maj. Dave Mundrick, DESC liaison officer to the Defense Logistics Agency Contingency Support Team Afghanistan.

New Middle East fuels complex,

by Senior Airman Erik Hofmeyer
379th Air Expeditionary Wing Public Affairs
and Susan Declercq Brown
DESC Public Affairs

Thanks to nearly six years of hard work on the part of Defense Energy Support Center specialists, a new petroleum, oil and lubricant complex in Southwest Asia commenced operations in January. The complex meets the burgeoning growth of the 379th Air Expeditionary Wing and Southwest Asian fuel requirements in support of the war on terrorism.

The service provided from the new facility significantly increases capabilities at the site and replaces temporary facilities established there in 2001, according to Jack O'Donovan, an environmental specialist who provided engineering support for the contracting team that developed the service contract.

Under a five-year service contract, renewable for three subsequent five-year periods, Fueling Systems Contractors, LLC, began providing services in late January, said Shedric Crump, contracting officer for the facilities procurement division of the Facilities and Distribution Management Commodity Business Unit. The contract calls for bulk and operational storage capacity for more than 8 million gallons of JP8 aviation fuel as well as storage for motor gasoline and diesel fuel. In addition, FSC provides tank truck offloading and maintenance of aircraft refueling hydrant systems for tactical and strategic aircraft refueling ramps on the flight line, and an aerospace ground equipment station and ground fuels service station.

Services provided through the \$100-million-plus complex, located near the north end of the flight line, boost the capability needed to supply fuel for aircraft and base operations.

The new services contract greatly enhanced the security and efficiency

of the fueling operations. All fuel used to be delivered directly onto the airbase via truck or pumped through tactical hoses. Now fuel deliveries are off-loaded outside the perimeter of the air base, and the fuel is pumped into bulk storage tanks by pipeline. JP8 is then piped to operating storage, flight line hydrant systems and the AGE service station. Ground fuels are trucked from bulk storage to the on-base service station.

Before the pipeline and hydrant system services, getting fuel to the aircraft was cumbersome and time consuming. Trucks with 6,000-gallon capacities were filled at stands located in a temporary storage area called the "bladder farm" where fuel is stored in 210,000-gallon collapsible plastic tanks. From there the trucks were driven out to aircraft on the flightline tarmac, and hoses were connected to the aircraft to refuel it. When the truck was empty, it was returned to the "bladder farm" to reload and repeat the process. The truck fleet made hundreds of trips each day.

"To put this in perspective, it takes five or six trucks to fill up a KC-135 Stratotanker," said Chief Master Sgt. Stanley Walker, the 379th Expeditionary Logistics Readiness Squadron fuels manager.

Replacing the system was necessary to maintain an adequate and safe supply of aircraft fuel storage, said Capt. John Klohr, the 379th ELRS fuels management flight commander. This cost-effective and modernized system will cut the workload of deployed airmen and ultimately require a smaller fleet of R-11 refueling trucks.

Crump called the contracting process for these services "very unique" due primarily to the amount of pre-award administration and technical support required. As he spoke, Crump indicated the two nearly foot-high contracting files on his desk. "This is nothing," he said. "The typical contract may have two of these files full of paperwork. The Southwest Asia fuels services contract fills these and six more like them. And the service period on this contract has just



Construction workers build the new Southwest Asia complex from which Fueling Systems Contractors provides services under DESC contract.

begun."

When DESC was notified in 2002 of an emerging requirement for increased capabilities at the airbase, a team of specialists set to work. These included O'Donovan, contract specialist Alicia Williams and distribution facilities specialist Jerry Baxley, who prepared the performance work statement, as key players, and a host of others over the years. A synopsis announcing the intent to solicit bids for services was published in July 2002. Solicitations went out just over a year later.

During that time, the team was engaged in firming up requirements and technical specifications as well as coordinating between the host nation,

service expedite refueling

the U.S. Air Force, and U.S. Central Command.

A pre-proposal conference was held at the airbase in July 2003 to provide potential bidders an opportunity to ask questions and to evaluate first-hand the environment and what facilities and capabilities they might need to put in place in order to begin providing services by January 2007. The DESC-F contracting team followed a full and open competition process. Bids came from across the international market. Bidders eventually submitted a wide variety of proposals for the facilities and processes they intended to construct in order to deliver the required services. All of these had to be evaluated by the contracting team as part of the overall selection process.

The contract was awarded to FSC on March 15, 2004, and the contractor sought to begin preparing the work site. But, a 10-month delay occurred when the host nation decreed all work associated with the contract cease until their challenge of DESC's contracting process was complete. After the contracting team provided details of the acquisition process and the host nation was satisfied that the evaluation process was proper, FSC began their march toward the January 2007 deadline.

During the two year preparation phase, the DESC team tackled technical and engineering issues, ensured all the Air Force requirements were being met, dealt with various host nation government ministries, the Corps of Engineers and the U.S. Air Force, performed liaison between the contractor and the numerous stakeholders in the process and provided on-site oversight during the preparation phase. O'Donovan and



Airman 1st Class Robert Walsh prepares to refuel the first KC-135 Stratotanker through the new hydrant system Jan. 24 in Southwest Asia. Airman Walsh is assigned to the 379th Expeditionary Logistics Readiness Squadron Petroleum, Oil and Lubricants Flight. (U.S. Air Force photo/Senior Airman Erik Hofmeyer)

Baxley were among the DESC team who rotated four-month deployments to the site, said Crump.

"Nothing that we will do will come close to this monumental effort," said Crump. "The man hours the contracting team put in [to bring the contract to fruition and meet the warfighters' requirements] were enormous!"

An acceptance team declared the new facility operational in January. The service contract is valued at \$102.6 million over the first five years.

Walker described the specific capabilities the FSC contract will bring to his squadron and the air expeditionary wing.

The fuel lifeline of the 379th ELRS begins with a "tank truck off-loading facility" with eight off-loading headers

for jet fuel, and one each for both diesel and unleaded gasoline. The services contract provides the capability to offload eight fuel trucks simultaneously at a faster rate than the expeditionary system currently being used, Walker said. The off-loading headers are covered, protecting fuels technicians from the elements. In addition, a slight dip in the parking area now exists to channel any spillage into a holding area.

The system will not be fully operational until the host nation government completes infrastructure projects currently underway. O'Donovan said the system is expected to be fully operational by November.

The storage tanks replace the bladders containing jet fuel in expedition-

Cont'd on page 8.

Cont'd from page 7.

Fuels Complex

ary environments, eliminating the possibility of the bladders rupturing. The upgraded steel tanks, called “cut and cover” tanks, are encased in a concrete shell and covered with a shaped cap of dirt, Klohr said. In turn, these three tanks will feed 23 hydrant outlets, located on “parking spots” on the refueling ramp. The “hydrant pits” contain hydrant outlets concealed in strategically placed hatches on the refueling ramp. They will allow fuels technicians to expedite the refueling of wide-bodied aircraft by not having to use multiple truck operations that require many trips to the fuel stands for refueling, Walker said.

“It’s the same concept as fire hydrants in neighborhoods, where the fire department connects a hose to the hydrant to get water; we connect to the hydrant to get fuel,” he said.

Refueling trucks can also refill their 6,000-gallon trucks without ever having to leave the flight line. This provides significant time savings and faster responses to by-truck refueling requests. The trucks can also refuel from the hydrants, and transport fuel to other



Construction workers build the new Southwest Asia complex from which Fueling Systems Contractors provides services under DESC contract.

parts of the base not connected to the system.

“This new system will provide superior fuel support to aircraft for many years to come,” Walker said. “We’ve worked extremely hard over the past seven months to bring this system online.”

Middle East region hosts annual suppliers conference

By Ann Wilson, contract specialist

The Defense Energy Support Center Middle East hosted its annual Suppliers Fuel Conference in Islamabad, Pakistan, Jan. 19-22 after months of planning by a DESC-ME and Fort Belvoir team. The conference focused on ways to improve what is widely acknowledged as the single most challenging fuel mission in DESC.

Over the course of the four-day conference, discussions were held with Air BP Limited, Chevron/Caltex, Shell, and World Fuel Services. These are the prime contractors responsible for exporting critical shipments of diesel, motor gasoline and jet fuel from several refineries and terminals in Pakistan direct to U.S. military and coalition forces at Kandahar and Bagram Air Fields in Afghanistan.

In his opening address, Col. Mark Olinger, commander of DESC-ME, acknowledged that DESC’s contractors in Pakistan “operate in a difficult environment.” He also lauded “the tremendous support over the last 18 months in meeting a common objective.”

The initial two days of the conference focused on ways to improve support and resolve issues with the current contracts. The final two days were dedicated to examining alternative ways of doing business and to discussions with prospective contractors interested in doing business with DESC in Pakistan and Afghanistan.

The conference proved to be a great opportunity for DESC to strengthen its relationship with long standing suppliers and to cultivate potential new partners. This will strengthen the Middle East region’s ability to ensure the fuel continues to flow in support of Operation Enduring Freedom.

Correction

In the last issue of the *Fuel Line*, the article “DESC Americas and Fort Lewis Soldiers Team-up for the Warfighter” was credited to Capt. Joshua Strakos. It should also have been credited to Navy Lt. Allen B. Ledbetter of the Fleet and Industrial Supply Center Puget Sound. We regret the omission.

QAR experiences “A Gray and Lonely Day” on the road

An autobiographical excerpt

By Lana Burnham
quality assurance representative
DESC Americas West

She was a government employee, dedicated to her craft. Hers was an unusual job, inspecting fuel, traditionally a man’s world. She was a DESC West quality assurance representative. Every day’s tasks were the same but different because the location, the city, and even the state were ever-changing. But never in her long and distinguished career had she found herself caught in the midst of a manhunt.

The rain pounded down in the before-dawn dark when she left the comfort and security of yet another hotel room in yet another city. The croissant sandwich with bacon was hot and the orange juice cold; one more breakfast alone. She headed north, up through the canyon, following the course of the Colorado River, past places like No Name, Parachute, Rifle, Eagle, Grizzly Creek and Hanging Lakes.

The first warning was a portable electric sign along the side of the road — “Do not pick up hitch hikers” — then, the southbound road block. Police cars with flashing lights were stopped at every on ramp. The troopers were standing outside their cars, alert and vigilant; no doughnuts or coffee in sight. Most impressive were the seven Eagle County Sheriff’s SUVs which raced in formation toward the scene of the crime.

The fugitive was 20 years old, a white male, 6 feet 1 inch tall, with long, sandy blond hair. He had shot a policeman in Rifle the night before. The officer had been airlifted to the hospital, stabilized, and prepared for surgery. Fortunately, his life had been spared.

So, there she sat, idling in her Chevrolet Colorado truck. The truck was gray like the sky, named for the state she was stranded in. Gray tree limbs like skeletal fingers reached toward the gray, leaden sky. Curled, yellow leaves hung tenaciously in the trees, waiting for the next gust of wind. Snow pellets fell gently on the hood of the truck.

Suddenly she heard the “Whooompf, whooompf” of a low-flying helicopter as it followed the winding course of the river, searching from the sky. She found herself searching too. Was there movement behind a fallen tree, a scrap of plaid flannel

visible behind the bridge support? She quickly reached over and locked the doors.

A quick call was made to let the quality assurance manager at Eagle County Airport know she was delayed; it had begun to feel like an indefinite delay. She sat and sat and sat some more, occasionally creeping forward a car length at a time, waiting for her turn to go through the road block.

A truck, with red and blue lights flashing, tried to move up the left side of the narrow, packed, two-lane road. The driver was carrying an all-terrain vehicle in the back. The chase was moving off road and into the high country.

Two and a half hours and two miles later, six of Colorado’s uniformed finest, the last with his automatic weapon at the ready, waved her through with no search of the covered truck bed. No smile, just a nod and a tired wave of the hand.

The national weather service interrupted with news that Pacific moisture, two low pressure systems and a cold front were all coming together. A blizzard was predicted and travelers to Denver and Colorado Springs were advised to change their travel plans. But, she wasn’t scheduled to be in Colorado Springs for another week.

It was just another day in the life of a DESC QAR.



Arch Chemicals' McIntosh storage, facility large part of DESC history

By Sharon Murphy
Director, Aerospace Energy
Commodity Business Unit

Jan. 31 marked the end of an era in the space launch business. On that date, the separate storage and distribution contract between DESC and Arch Chemicals, Inc. expired, heralding the end of the government's use of Arch's bulk hydrazine storage facility located in McIntosh, Ala. But, the closing of the facility didn't occur before the facility had contributed in a significant way to the Department of Defense's national defense mission and the U.S. space program.

Arch's relationship with the space program began in the 1950s. Arch's parent company, Olin Chemicals, built the hydrazine production and distribution facility in Lake Charles, La., primarily to support the U.S. Air Force Titan Program. The Titan rocket family was established in October 1955 when the Air Force awarded Lockheed Martin a contract to build an intercontinental ballistic missile (SM-68). It became known as the Titan I, the nation's first two-stage ICBM and replaced the Atlas ICBM as the second underground vertically stored, silo-based ICBM. A subsequent version of the Titan family, the Titan II, was similar to the Titan I, but was much more powerful. Designated as LGM-26C, the Titan II was the largest missile, at the time, to be developed for the Air Force. The Titan II had newly-developed engines which used Aerozine 50 (A-50) hydrazine as fuel and dinitrogen tetroxide, or N₂O₄, as an oxidizer. A-50 hydrazine is a blend of anhydrous hydrazine (AH) and unsymmetrical-dimethylhydrazine (UDMH).

Due to the huge quantities of hydrazine needed to launch the Titan rocket, Olin completed construction of McIntosh's A-50 blending and storage facility in 1988 and at the heyday of the Titan Program, five people were dedicated to blending A-50 hydrazine at the McIntosh facility. The first shipment into the McIntosh blending and storage facility from the Lake Charles hydrazine production facility where both AH and UDMH were produced, was made in August 1988. Olin made its first A-50 shipment to NASA's Kennedy Space Center in Florida from the McIntosh facility in April 1989. Olin added a monomethyl hydrazine (MMH) storage facility in 1989, primarily to support the NASA Space Shuttle program.

The Titan platform grew beyond its use as an ICBM, and a modified version of the Titan II was used to launch NASA's 10 Gemini missions in 1965 and 1966. Fourteen of the retired Titan II ICBMs were refurbished for use as space launch vehicles, boosting a variety of military and civilian spacecraft into polar orbits from Vandenberg Air Force Base, Calif. The Titan III was developed specifically as an expendable launch vehicle taking



DESC Americas East Quality Assurance Representative Shawn Browning, on the right, presents McIntosh Facility Manager Danny Landrum with a letter of appreciation on Jan.31, the last day of the DESC Arch Chemical contract that included the hydrazine blending, storage and distribution facility in McIntosh, Ala.

DoD classified payloads into space, still using A-50 hydrazine as its fuel. Years later, the Titan IV evolved from the Titan III family, having a new guidance system, flight termination system, ground checkout system, solid rocket motor upgrade and a 25 percent increase in thrust capability. The Titan IV was first launched in 1989 to boost the heaviest national security spacecraft into orbit. The last Titan IV-A was launched in August 1998, and the first Titan IV-B flew in February 23, 1997, again, using A-50 hydrazine as fuel.

Although Arch Chemicals was formed after a spin-off of Olin in 1999, Arch's McIntosh facility continued to support both the Air Force Titan program as well as the NASA Space Shuttle program. DESC took over the Arch contract with the transfer of the mission from the Air Force to DESC in Oct. 2001. The Air Force phased out the Titan IV-B rocket with the advent of the commercial Lockheed Martin Atlas V and the Boeing Delta IV heavy rocket evolved expendable launch vehicles.

However, neither the Atlas V nor the Delta IV uses A-50 as fuel. As a result, DoD's requirements for A-50 hydrazine have decreased dramatically since the last Titan IV launched in October 2005. As a result, the storage that Arch's McIntosh

distribution

facility encompasses is larger than necessary to handle what Arch's production facility in Lake Charles produces.

In order to support smaller space and space-related programs as well as smaller testing quantities, a cylinder warehouse and loading facility was added to the McIntosh facility in 1997. For all products, the storage of the toxic/flammable liquid hydrazine propellant was always under nitrogen pressure. This state of the art storage/blending/shipping facility was equipped with multiple propellant storage tanks each surrounded with 24-inch-thick reinforced concrete walls 20-feet tall for safety and spill containment precautions.

The McIntosh facility has operated without interruption through all major weather events including several hurricanes, with only minor damage to buildings since operations began. Also, one of the keys to Olin's and now Arch's successful performance has been the people working at the facility.

DESC recently recognized McIntosh Facility Manager Danny Landrum for that facility's exceptional performance record. On Jan.30, DESC Americas East Quality Assurance



The last hydrazine cylinder is removed from the Arch Chemical's McIntosh, Ala., facility in January 2007.

Representative Shawn Browning, who had conducted continual site visits during the transfer of product and equipment out of the McIntosh facility, presented Landrum with a letter of appreciation signed by the Aerospace Energy Commodity Business Unit's director.

In addition, Landrum traveled with Arch's Propellants Business Manager Chris Cice to the CBU's offices in San Antonio on Mar. 14 to receive a plaque commemorating his contribution to DESC's successful support to both national defense and the U.S. Space program. Initially an Olin employee, Landrum has worked in the Chemical production business for 30 years. When Arch Chemicals was formed following the spin-off from Olin in 1999, Arch appointed Landrum the McIntosh facility manager.



DESC Aerospace Energy Commodity Business Unit Director Sharon Murphy shakes hands with McIntosh Facility Manager Danny Landrum as she presents him with a plaque Jan.31 commemorating more than four decades of service to America's space and defense programs. Looking on, from left to right, are Ken Grams, deputy director of the CBU; Chris Cice, former business manager of propellants for Arch Chemicals; Mike Pfister, global business director for hydrazine, Arch Chemicals; Jim Barnett, Lake Charles facility manager for Arch Chemicals; and Alix Gayton, chief of the CBU's Logistics Management Division.

DESC endangered program butterfly breeding takes flight

By Susan Declercq Brown
DESC Public Affairs

On Feb. 27, a birth announcement of sorts went out from the area of the Palos Verdes peninsula near Los Angeles. The peninsula is home to Defense Fuel Support Point San Pedro, and the announcement heralded the emergence of the first Palos Verdes Blue butterfly to emerge this season in the newest captive breeding program to help repopulate the endangered butterfly's ranks.

By the beginning of April, more than 360 PVBs had emerged at two captive breeding locations, according to Jana Johnson, the Urban Wildlands Group biologist who oversees the breeding program for the Defense Energy Support Center.

The Palos Verdes Blue, thought to have been extinct since 1983, was discovered in March 1994 to be living in a small colony on the DFSP. Until this year when a second captive breeding program was begun north of Los Angeles, this was the only site where the PVB lived. It is still the only site where PVBs can be found in the wild.

A handful of scientists from the University of California at Los Angeles discovered the PVB during a routine exploration of the DFSP's native anthropods.

They determined the sole surviving DFSP colony was in danger of extinction within a decade if the natural habitat the butterflies relied on was not enriched and expanded. In addition, colonies had to be established in other areas of the peninsula to ensure the survival of the PVB sub-species. Thus began a partnership of government agencies, universities and conservation groups to save the postage stamp-sized butterfly.

The first step toward PVB recovery was to maximize the survival potential for the butterfly at the DFSP. Restoring the butterfly's natural habitat and protecting the two plants the butterfly relies on for food and reproduction – rattlepod and deerweed – was critical to that effort. The DFSP was unique in having both plants co-existing in the same location, said Army Maj. Jason Pike, Defense Logistics Agency command entomologist.

The Southwest Naval Facility and the service contractor for DFSP San Pedro immediately adjusted operations at the site, according to Steve Deatherage DESC environmental protection specialist for natural and cultural conservation. Pipeline construction which was underway was delayed until it was determined project completion was in the best interest of the butterfly.

Thirteen years later, service contractor United Paradyne Corporation's maintenance operations are still planned around the conservation efforts, Deatherage said. Grasses must be

mowed and vegetation cut back to meet fire safety and security standards. But, the contractor checks with conservationists before any mowing or pruning to ensure the rattlepod and deerweed, and other plants included in the natural habitat restoration plan are not disturbed. The same care is taken to ensure ingress and egress to fuel system points does not impact the conservation program.

"Plant surveys are conducted and approval granted prior to any new activities or operations," said Deatherage. "And, any use of pesticides is considered on a case-by-case basis. We always try cultural solutions first — like relocating bee colonies."

Recently, vegetation had grown up along the fences separating the DFSP area from public access areas of the naval base. Bushes had grown high enough that someone could have used them to climb over the fence, said Deatherage. "We worked with conservationists to gain approval to clear the vegetation and cover the ground on both sides of the fence with gravel to discourage future plant growth in that area."

Vegetation growth is encouraged in several areas of the DFSP's natural area. The site is described by Pike as "a biological island in L.A." Volunteers plant and cultivate the butterfly's host plants and others to restore the natural habitat so essential to the PVB's survival. As a result five separate butterfly areas have been established on the DFSP site, Pike said.

The number of volunteers coming through the gates creates a security challenge for the DFSP, said Deatherage, "but the conservation work is essential to saving the PVB," he explained.

Rehabilitation is also being conducted in other areas of the Palos Verdes peninsula in an attempt to reestablish successful habitats for the PVB. The butterflies once flourished in the cool, fog-shrouded seaward side of the Palos Verdes hills. But, in the 1970s and early 1980s, a complex mix of drought, human population growth and associated urban sprawl, and pesticide use led to the destruction of the PVB's natural environment and the ultimate apparent demise of the PVB.

Volunteers and conservationists also work to increase the PVB population through a captive breeding program. The breeding habitats and protocols have become more work-intensive, detailed – and successful – as the program developed.

Initially, butterfly pupae in the dormant stage of metamorphosis in which the caterpillar changes to a butterfly, emerged

in the lab and were then placed in large cages in the field where they were allowed to mate protected from predators. Smaller multi-plant boxes were soon added. These allowed scientists to contain ten males and ten females in a smaller space where they would mate and lay eggs. The larvae or caterpillars would live in the multi-plant boxes until mature when they would be transferred to the lab for safety.

Using these methods, conservationists were able to successfully increase the PVBs numbers, but they wanted to do more, explained Johnson. As a result, boxes were established for very carefully controlled breeding. And, new procedures were developed for very hands-on butterfly care.

As a result of the new procedures, initially used with just 23 females, Johnson quadrupled the number of PVBs in just one cycle, she said. As the lead biologist for the PVB breeding program, Johnson is certified to handle the butterflies and to strictly supervise the permitted-volunteers who also handle them.

That success enabled them to establish a second captive breeding site, another of the requirements for PVB recovery established by the scientist who first rediscovered the species. A second site helps ensure the survivability of the species by averting the possibility that an adverse situation at the DFSP – like fire or drought – could wipe out the entire PVB population, said Pike.

So, on Feb. 13, the captive breeding program began a new chapter when 360 pupae from the DFSP were delivered to a new captive breeding facility established in the teaching zoo of Moorpark College in Ventura, Calif., north of Los Angeles. This new program enables a more intricate hands-on procedure by establishing a program closer to the crew of 17 volunteers and conservationists on whom the program relies. And, it makes

the PVB story more accessible to the public, particularly children, who Johnson says must learn how to protect the flora and fauna which form the intricate web of life which makes up their natural environment.

“The volunteers have been essential to keeping up with the huge number of pupae, butterflies and larvae this season,” said Johnson. “There is no way



An endangered Palos Verdes Blue butterfly feeds off of a cotton ball at the newest location for DESC's captive breeding program designed to increase the PVB population. (Photo by Fred Vachss.)

I could have cared for the abundance we are experiencing without the team.

“If this year’s breeding program is as successful as last year’s, we may be ready in 2008 to release butterflies into the wild on the Palos Verdes peninsula [off of the military reservation.]”

For a light-hearted look at the new procedures for the care and feeding of the butterflies in the captive breeding program, see page 20.

First joint fuels quality control and

By Patrick Jones
DESC Chief of Public Affairs

The first joint Fuels Quality Control/Laboratory Training Course graduated at Fort Lee, Va., in March culminating nearly two years of study and work by the Defense Energy Support Center's Executive Agent Office, the Equipment and Training Integrated Process Team, the Interservice Training Review Organization, and Army and Air Force officials.

The first class, composed of students from the Air Force, Army and Marine Corps, was the result of a 2002 decision in which the secretary of defense designated the director of the Defense Logistics Agency as the executive agent for bulk petroleum. DLA's director further delegated authority for administering the bulk petroleum Executive Agent program to DESC.

One of the key responsibilities of DESC's Executive Agent Office is to explore joint training opportunities. After initial study and upon the recommendation of the integrated process team, the DESC director requested an inter-service review of the petroleum quality courses to explore consolidation in February 2005.

Prior to the consolidation, Army and Marine students underwent the 10-week course at Fort Lee, and Air Force students attended a similar course at Sheppard Air Force Base, Texas. Under this program the Air Force students undergo the first three weeks of the consolidated curriculum before leaving Fort Lee. Army and Marine students remain at the school for additional training to meet their service-specific quality surveillance missions.

During the course students undergo rigorous training that prepares them to run a petroleum laboratory to American Society for Testing and Materials standards.

"I like this because we train to ASTM standards," said Senior Airman Nichols Perez, one of the first Air Force students to attend the course at Fort Lee, referring to the rigorous standards of the Society.

According to the Petroleum and Water Department's Web site, the purpose of the petroleum Laboratory Training Division is to provide technical and tactical training to Petroleum Laboratory Specialists of all services to meet worldwide petroleum requirements in the petroleum quality surveillance arena. Quality surveillance can best be described as a scientific approach to watching over fuels that have been produced to rigid specifications. Off-specification fuels can ruin expensive engines, cause the failure of critical combat missions, and cost the lives of those who



Army Pvt. Masha Hosford, a petroleum laboratory specialist student, performs a fuel density test in one of the labs at the Fort Lee, Va., Petroleum and Water Department school.

"The differences made the class better...."
-- Senior Airman Russell Thacker



Army Staff Sgt. Lesley Crutchfield, a Laboratory Training Division instructor, delivers a lecture on the capabilities of a tactical Petroleum Quality Analysis System.

laboratory training course graduates

depend on their fuel to get them where they are going.

Senior Airman James Green, another student of the inaugural class, said it took some time to get used to the differences in the training methods at Fort Lee as opposed to a strictly Air Force environment.

Senior Airman Russell Thacker echoed his sentiments. “The differences made the class better... it took us back to the roots, and it showed us how the [rest of the services] work. What I like the most is that the training is mostly mechanical, rather than being automated,” he said.

The petroleum lab specialist course is nearly 10 weeks long and focuses on extensive technical and physical laboratory testing procedures that adhere to ASTM test methods. Training is applicable to all military services and DoD testing equipment.

The need for qualified personnel to oversee fuel handling and quality assurance dates almost to the beginning of the petroleum industry in the United States when it took off in Titusville, Pa. As the industrial age surged ahead, petroleum specialists progressed and grew



An Air Force student analyzes fuel in the laboratory during a classroom exercise. (Courtesy photo.)



Army Pvt. Masha Hosford is observed while conducting a fuel density test.

in military importance during World War I and World War II. With the advent of the U.S. Army Air Corps (later becoming the Air Force), armor and mechanized units, and various units using equipment with internal combustion engines, petroleum quality control became a necessity to keep the military equipment in operating condition and reduce maintenance costs. Petroleum quality surveillance training has continued to evolve throughout the ensuing conflicts.

During World War II trained petroleum quality personnel for the military were practically nonexistent and facilities for training were not available. With the loss of so many engines due to the lack of quality fuel, the Army learned a valuable lesson, and immediately after World War II, plans were drafted to put the Army into the business of training its own quality surveillance specialists.

To alleviate the situation, courses of instruction and facilities were established in the fall of 1946 at Caven Point, New Jersey, under the jurisdiction of the New York Quartermaster Petroleum Field Office. The school was primarily staffed with instructors and highly qualified technical personnel from the petroleum fields of the Midwest. In July 1954, the Caven Point installation was phased out; it moved to Fort Lee and became the Petroleum Department of the Quartermaster School.

Photos by Patrick Jones

DESC OIF and OEF Support



Right: Lt. Cmdr. Rob Simms, DESC liaison to the DLA Contingency Support Team Afghanistan, and Air Force Maj. Joyce Storm, deputy support operations officer to the Joint Logistics Command in Afghanistan, share a break in the action.



Army Maj. Gen. John Abizaid stopped by the Office of Defense Representative Pakistan. Some of the DESC team stationed there joined in the group photo opportunity. Sixth from the left, in the front row, is Abizaid. To the right of him is Army Lt. Gen. James R. Helmly, chief of the ODRP for U.S. Central Command. DESC Middle East representatives pictured are: Commander Army Col. Mark Olinger, who is in the back row between the generals. To the left of him is Operations Officer Russell Price. On the far left is Contract Specialist Ann Wilson.

DESC Korea spouse provides new child care service

By Nathan T. Van
Schaik and
DESC Korea
Commander Lt. Col.
Sidney R. Thomas

CAMPWALKER, Republic of Korea – Arlanda L. Thomas, wife of DESC Korea Commander Lt. Col. Sidney Thomas, was certified by the Army Child Development Center here Feb. 13 as a family child care provider. She was the first such provider to be certified here in five years. The only previous certified homes were in Seoul.

The family child care program offers home-based child care provided by authorized military family members operating as independent contractors from on-base housing. Thomas is the only certified FCC provider in Area IV. This program relieves some pressure on the local child development centers and offers an alternative for those in need of child care.

Thomas satisfied all qualification requirements in accordance with Army regulations. The qualification process included a rigorous background check, a home certification, and a robust training schedule. Thomas received certification only after a week-long orientation class that covered a broad range of subjects including child health, communicable disease, administering medication, special needs, fire safety, first aid, learning environments, identifying and reporting child abuse, sanitation, and nutrition.

“I can provide quality child care for the children of service members or civilians, 24-7. I love children, and I have years of experience in child care. This is my way of contributing to the military community; my way of helping soldiers,” said Thomas.

FCC programs serve as an extension of the Child Development Center which provides child care from 6 a.m. to 6 p.m. on weekdays only. Although CDC providers can work past those hours, new FCC providers like Thomas allow for expanded child care hours.

Thomas wants children to look forward to coming to her home. “I want to help kids with their homework or engage them in different activities. I also want to take field trips to the public library, the zoo and the aquarium,” she said.

As an FCC provider, Thomas’ household caters to age groups from four weeks to 12 years old. She can accommodate



Arlanda Thomas, wife of DESC Korea Commander Lt. Col. Sidney Thomas, enjoys afternoon activities with the first two children enrolled in her in-home child care facility at Camp Walker, Korea. Thomas’ service is the first of its kind in this area.

up to six children at one time, and there is no limit on how many families can use her services. She has an ample supply of arts and crafts, a dining area, sleeping accommodations, a play area, and a host of books, games, and activities geared toward all age groups.

FCC providers are required to follow a curriculum with the children. Weekly activity plans are based on monthly themes such as health, nutrition, gardening, plants and transportation.

The recent certification of an FCC provider in Area IV has been well received. During a February visit to Area IV, U.S. Forces Korea Commander Gen. B.B. Bell expressed his pleasure with the progress of the program – a special focus of his.

Bell had opened dialogues to initiate an FCC program in Area IV during a May 2006 visit.

“I intend to take care of the well-being of our force, including our families... We need to make an assignment to Korea ‘normal,’” Bell said in outlining his goals for USFK.

In addition to expanding child care options, Bell voiced the need to increase the opportunity for spouse employment within the framework of FCC. Thomas said that she will act as a mentor for those wanting to follow in her footsteps. The CDC is looking for family members who reside on post interested in becoming FCC providers.

Bell toured the Thomas home care facility during his visit.

Sanders assumes command of

By Patrick Jones
DESC chief of Public Affairs

In 1978, the United States was recovering from the Vietnam War, disco fever was sweeping the country, gas was almost 70 cents a gallon, and a young Mobile, Ala., native received a commission as a second lieutenant in the Army from the U.S. Military Academy at West Point, New York.

Nearly 30 years later, the world has changed. The country is now embroiled in the Global War on Terrorism. Raves have replaced disco, gas is hovering around \$3 a gallon and the Alabamian is no longer that young, nor a lieutenant.

While time marches on, there are few constants; however, courage, loyalty, and devotion have been the watch words for the soldier as he transitioned from active duty to the reserve forces, back to active duty, and now into civil service.

Maynard J. Sanders, at 52, was inducted into the Senior Executive Service and an hour later was appointed as the director of the Defense Energy Support Center in an assumption of responsibility ceremony at the Defense Logistics Agency headquarters April 6.

During his remarks Lt. Gen. Robert T. Dail, director of the Defense Logistics Agency, said he had conducted a wide search to find a new director for DESC. Dail said he was looking for someone who had just the right qualifications. He pointed out Sanders' civilian background, his military background, his progression to general officer in the reserve forces, and his ability to form relationships with civilian leaders and officials.

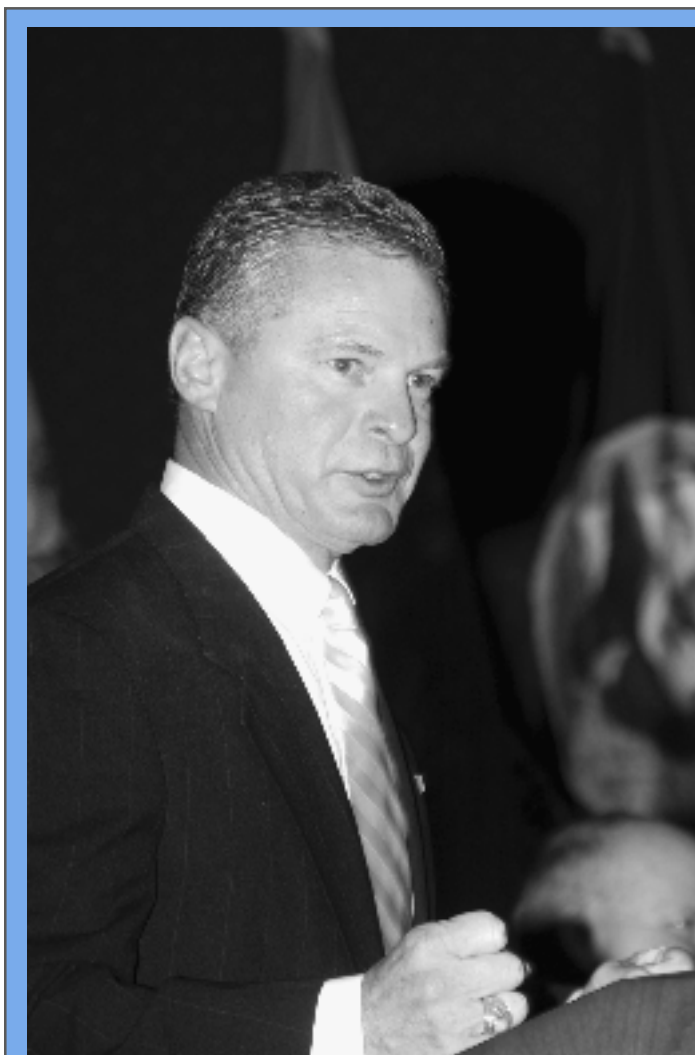
Dail said that while visiting Texas during disaster recovery he met Gov. Rick Perry. Dail said the governor could have asked him about any number of four-star, or three-star generals, but he asked instead, "Do you know Sandy Sanders?"

Another part of the ceremony involved the traditional passing of the colors.

"It is a time honored tradition, since the beginning of our nation's history, to provide an orderly transfer of responsibility and accountability to units and organizations of the Department of Defense. Rear Adm. Henry B. Tomlin III will relinquish his responsibility as interim director, Defense Energy Support Center to Mr. Maynard J. Sanders. This action is symbolized in the ceremonial passing of the organizational colors. This simple procedure signifies the transfer of total responsibility, authority and accountability from one individual to another," said the master of ceremonies.

In his remarks, Sanders thanked Dail for the trust and confidence he placed in him and for the opportunity to serve as the director. He also said he would not be where he is today without the love and support of his family; wife, children, parents and siblings.

Prior to his selection as the new director, Sanders served as the deputy commander for Mobilization, Surface Deployment and Distribution Command at Fort Eustis, Va. Sanders was



Defense Energy Support Center Director Maynard "Sandy" Sanders expresses his thanks for the opportunity to lead the Defense Energy Support Center during his remarks following his assumption of responsibility for DESC April 6.



Defense Energy Support Center



Inducted into the Senior Executive Service

Defense Logistics Agency Director Army Lt. Gen. Robert T. Dail administers the oath of office to Maynard "Sandy" Sanders as he is inducted into the Senior Executive Service April 6. Sanders' father, Maynard Sr., holds the Bible.



Receiving the colors

The outgoing interim director of the Defense Energy Support Center, Rear Adm. Henry B. Tomlin III, looks on as Defense Logistics Agency Director Lt. Gen Robert T. Dail passes the DESC flag to incoming director Maynard "Sandy" Sanders as he assumes responsibility for the center April 6.

(Photos by Thomas Wilkins.)

called to active duty in January 2003 in support of the Global War on Terrorism and remained on active duty through March 2007. During this period, he was not only promoted to brigadier general, but he was also selected for promotion to major general. He will serve in a reserve status as the deputy chief of staff Army G4 for Training and Mobilization in the Pentagon.

Sanders is also a graduate of the Basic Airborne Infantry School, Field Artillery Officer Basic Course, Ranger Infantry Course, Commanders Course, Ordnance Officer Advance Course, Tank/Automotive Material Management Course, Command and General Staff College, Senior Transportation Officer Qualification Course (Motor/Rail Track), and the U.S. Army War College.

His decorations include the Defense Superior Service Medal, Legion of Merit, Meritorious Service Medal with two Oak Leaf Clusters, Army Commendation Medal with two Oak Leaf Clusters, Army Reserve Component Achievement Medal with four Oak Leaf Clusters, National Defense Service Medal with Bronze Star, Global War on Terrorism, Service and Expeditionary Medals, Armed Forces Reserve Medal, Overseas Service Ribbon, Ranger Tab and the Parachutist Badge.

Prior to being called to active duty, Sanders was the president and owner of All Plans Financial Group, Inc., in Mobile, a financial services company that designs, implements and administers employer benefit and retirement plans. Active in his community and church, he is a Stephen Minister, served on the St. Ignatius Parish Council and was a coach for boys' and girls' sports teams. He and his wife Fran have two daughters, Sarah and Camille, and one son, Jackson.

Endangered butterfly rearing taps

By Susan Declercq Brown
DESC Public Affairs

Approximately nine months after the August 2003 power outage, called the largest ever to strike the East Coast, newspapers reported an unprecedented population surge. Sociologists say the same trends are reported on a smaller scale after most urban power outages. If only increasing an endangered butterfly population were so easy, DESC officials might say.

Instead, scientists and volunteers implementing DESC's captive breeding program have found that kind of success only through a carefully controlled environment and a work-intensive, hands-on rearing protocol.

How does successfully rearing the endangered Palos Verdes Blue butterfly differ from guiding our own little bundles of joy through life?

Well, after talking to Jana Johnson, the lead Urban Wildlands Group biologist running the captive breeding program for the Defense Energy Support Center, I learned the experience is more similar than one might think.

Until Feb. 13, when a new captive breeding program was begun at the Moorpark teaching zoo north of Los Angeles, the endangered PVB lived only on the grounds of the nearby Defense Fuel Support Point San Pedro. It was thought to be extinct until being discovered at the DFSP 11 years ago. Since that time, DESC-sponsored conservationists have been working to restore the PVB population which once flourished on the Palos Verdes peninsula where the DFSP is located. Intensive captive breeding procedures have been developed and are now being practiced at the DFSP and the zoo. The goal is to strengthen the existing populations and then introduce the PVB back into the wild areas of the peninsula beginning in 2008.

And, here's the beauty: the conservationist "parents" can birth, nurture, choose the mates for their "offspring," and have "grandchildren" in just one year. And they get to take a four-month hiatus of sorts when they refrigerate the "kids" for a long nap before months of

near non-stop activity begin. But, then the cycle begins all over again with the next generation.

For Johnson, that has meant nurturing six generations of butterflies in ever-increasing numbers over the past five years.

In the captive breeding program, success is measured in terms of successful mating and reproduction. Like the "power outage babies," the captive breeding program experiences a predictable surge of butterfly "births" – but the surge is not contingent on unpredictable external phenomena. Instead, the cycle proceeds each year with a precision that is almost like clockwork.

"The first eclosion [butterfly emergence] occurred at 8:30 this morning," Johnson said in a Feb. 13 e-mail to update the team of scientists, conservationists, and volunteers involved in the effort. "It appears that the heat lamps are triggering eclosion around 8 a.m. Yeah!"

Johnson can also predict with certainty that the 18th day after the first eclosion will be the busiest day for eclosions.

The use of refrigerators and heat lamps provides a degree of certainty not usually afforded human parents – unless, of course, you subscribe to the invitro fertilization and scheduled caesarian birth approach.

The newly emerged PVBs jump right into puberty. Like humans, the females tend to mature a little faster. "The females are ready to mate almost immediately," said Johnson. "But the males are



A PVB larva poses for the "grandkids" album. (Photo by Daniel Stoyka Beran.)

allowed to age for a couple of days before they are ready."

Human adolescents and teens are used to parents urging a slow maturation process. Early dating is often chaperoned and a "decent distance" between dancers is usually enforced at school dances. The prospective grandparents wait and watch patiently through years of courting while their offspring select life partners. Only near the end of the waiting period do some prospective grandparents become impatient and begin demanding to know when the grandchildren are coming.

But, the PVB "prospective grandparents" will have none of that. They want grandchildren, and they want them now. And the young butterflies are willing to comply.

Successful PVB "parents" are exponentially more controlling in their efforts to achieve grandchildren. They refrigerate the females to reduce their opposition to mating. Conversely, they heat the males in the sun to warm them to the idea of mating. Next they carefully select males and females from specific gene pools to ensure a strong population and then introduce them to each other in a controlled setting.

PVB "parents" rub the females against the males to ensure the males are aware

into primal human parental instincts

of their presence. Once mating is established – it can last 30 minutes to 24 hours – the mating pair are moved to a private suite (empty plastic bottles donated by local elementary school children) to ensure success. The female will mate only once, but the male is returned to the breeding box and is allowed to breed as many times as he is able, said Johnson.

From the very beginning, successful PVB “parents” provide hand feeding for the new butterflies, but unlike human parents, the hand-feeding continues through adulthood right up until death. Twice a day, volunteers soak thumb-sized wads of toilet paper in either honey water or Fierce Melon Gatorade (a PVB favorite formula) and offer it to isolated butterflies. While human parents might touch some milk to the baby’s lips to entice it to eat, PVB “parents” touch the sopping toilet paper to the feet of the butterfly. Once enticed, the butterfly will extend its proboscis to the toilet paper and feed. Did I mention there are several hundred butterflies to feed?

In the wild, the butterflies live only a week, but the PVB “parents” have already stretched the life expectancy to 30 days through their special care protocols. “We hope to have

captive breeding boxes because they can kill the adult butterflies which become too geriatric at the end of their artificially extended lives to protect themselves from the ants, said Johnson.

PVB “parents” also take the kids out for daily walks. “This involves taking the cages, with the butterflies in them, outside in the fresh air and sunlight. This increases their longevity, breeding and oviposition (egg depositing) rate,” Johnson explained.

Successful PVB “parents” are very protective of the grandkids. Egg laying females are switched to new spots on the plant, and then the old spot is placed in a protective larval container to keep the caterpillars in and predators out. The females lay two dozen or more eggs per spot. Clippings from the multi-plant boxes are brought into the laboratory in larval rearing containers to preserve as many larvae as possible from the earwigs and other predators.

Human parents often struggle to deal with toddlers, infants and preschoolers at the same time. It can be challenging to change diapers, bottle feed and chase after the young ones. As the PVB’s lives are extended, our PVB “parents” face similar challenges as they care for butterflies, larvae and pupae at the same time. The work-intensive phase of PVB “parenting” may be short, but it is brutal.

PVB parents don’t change diapers, but they do go on daily “frass” patrol to prevent the younguns from eating it. And stressed caterpillars have been known to eat each other, so the “parents” have to separate adolescents to prevent cannibalism.

Many parents look forward to their children heading off to college. While it is an exciting milestone for the children, it is often also a time for parents to focus on their own needs and rejuvenate after years of putting the kids first. When the PVBs form pupae and enter a dormant phase during which they begin the transformation to butterflies, the PVB “parents” must heave a sigh of relief loud enough to be heard by the seals off the coast of Monterrey.

In June after the pupae are weighed, labeled and individually packaged in little plastic cups, they will be placed in the refrigerator for a four-month nap. You may remember they are anticipating upwards of 3,000 pupae this year. Did I just hear you sigh?

After a well deserved hiatus, the PVB “parents” will be back at it again next February. The pupae will be removed from refrigeration and weighed. (One of the two captive breeding sites will remove pupae three weeks later than the other. This will lengthen the child rearing phase for the PVB “parents,” but it will spread out the work load as well.) Then the pupae will be placed under the heat lamps to jump start the natural “Californian spring” cycle. Within a few days the first “grandchild” will eclose. And just like clockwork, 18 days later, the place will be “a zoo.”

Learn more about DESC’s role in saving the Palos Verdes Blue, on page 12.



*A male with outstretched wings and a female share a branch.
(Photo by Daniel Stoyka Beran.)*

butterflies living up to 45 days now,” said Johnson. “The longer they live, the more they can reproduce.” Johnson hopes to have 3,000 “grandchildren” this year so more than 2,000 can be introduced to wild areas of the Palos Verdes peninsula which have been specially cultivated to support them.

In captivity, the butterflies are kept in plant boxes with the rattlepod and deerweed plants. The females will lay their eggs on this and the larvae/caterpillars will feed as they grow before entering the dormant pupae stage. Volunteers water the plants daily. And when eggs and larvae are on the plants, the volunteers wield tweezers to remove aphids, spiders, earwigs and other pests. In the wild, ants tend to the eggs and larvae, keeping them clean and safe in exchange for a sweet substance extruded from the larvae. But the ants are not allowed in the

Ergonomics: priority one

By the DESC Safety Office

In 2006, members of the Defense Energy Support Center safety staff attended and completed ergonomics training and began to apply that training to improving workspaces within DESC. The training included the 40-hour U.S. Army Center for Health Promotion and Preventive Medicine Ergonomics Course and the National Safety Council's Ergonomics Course. This training was considered essential to ensuring a vital ergonomics program in DESC.

Attendees say the training provided them with a better understanding of ergonomics and how best to apply the program within DESC. They also learned how to identify and correct deficiencies and to recognize when experts are needed to assist in correcting those deficiencies.

Members of the DESC safety staff applied their ergonomics training to employee computer workstations. Here is how ergonomics improved the workplace.

Chairs

DESC employees spend the majority of their time sitting at their computers. The safety staff recognized that all those chairs were occupied by workers who were different sizes, weights and heights, and some of those workers had pre-existing medical issues or physical handicaps. It was time to make chairs available to the employees that met their specific needs.

Several companies were contacted and asked to provide chairs to be used and tested in the field. DESC initiated a six-month study using a select group of employees to test these chairs and provide feedback. Those participating in the study ranged in height from five feet even to six feet five inches. Some had either pre-existing medical issues or complaints of discomfort; others had no issues or complaints. The chairs were swapped out every two weeks with all participants having an opportunity to test each model provided.

Through this process, one chair was identified as the best option. It came in three different sizes, was adjustable (including height, seat pan for leg support, arm supports, lumbar and shoulder support) and had a minimum of a 10-year warranty for replacement and repair of parts.

The chair's manufacturer had a good reputation for quality; its products were available worldwide, and it would give a substantial discount for large quantity purchases.

As a result of the study, the safety office was able to personally fit each employee with a chair that met his or her needs.

Keyboards-Mice-Keyboard Trays

Employees were given the opportunity to select ergonomic keyboards, trays and ergonomic mice that came in sizes from extra small to extra large for both left- and right-handed workers.

Depending on the type of keyboard being used, the employees were also given the option of using a tray or desktop. The decision was based on factors that also included the workstation configuration and keyboard installation.

Telephone Headsets

Certain employees who spent a great deal of time on the telephone had a tendency to hold the phone with their shoulders. As a result, the employees began to experience severe neck and back pain. DESC worked with the telecommunications officer to provide telephone headsets to employees on an as-needed basis with supervisor approval.

Ergonomic Workstation Evaluations

Workstation evaluations are conducted when more complex issues such as pre-existing medical issues, reasonable accommodations or the prevention of work-related musculoskeletal disorders require expert intervention. Conducting these evaluations has resulted in a reduction of potential claims for lost time and medical expenses.

Employee Ergonomics Training

We also took advantage of the recent ergonomics training course provided by the Defense Logistics Agency Headquarters Safety and Health Office. Approximately 25 DESC employees participated in the training. Participants included collateral duty safety monitors, supervisors and employees.

This training gave the monitors and supervisors a better understanding of how to recognize potential problems in the workplace and the appropriate actions to take to reduce injuries to employees.

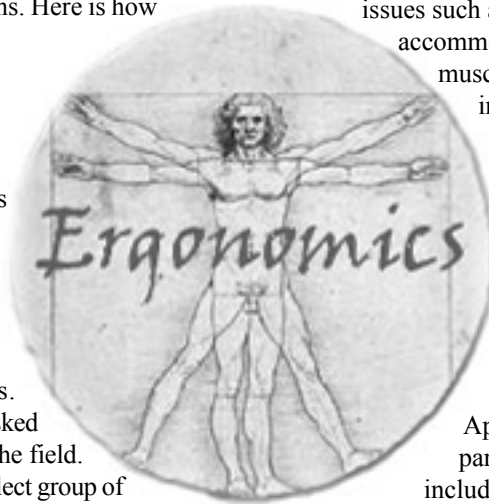
Random Walks

DESC's safety staff takes a proactive approach to ergonomics by conducting random walks through work areas. This has allowed them to quickly identify deficiencies and take immediate corrective action when needed.

Employee Feedback

Employees are encouraged to report problems to their supervisors before they develop into larger issues.

For more information about the DESC Ergonomics Program, contact the DESC-WE Safety Office: Diane Whitney, safety manager at Diane.Whitney@dla.mil, or Mark Hassell, safety specialist at Mark.Hassell@dla.mil.



DESC Americas East holds annual chili cook off

By Randy Cottrell
Americas East Team Lead

As the nationally famous Houston Rodeo begins each February, so does the Defense Energy Support Center Americas East's Chili Cook Off. The cook off has been an annual tradition in the Region for years. Over the years, word got around, and the popularity of the cook off grew. Now all agencies within the entire LaBranch Street Federal Building participate.

At this time of year, as the chili cook off rolls around, government employees take up their second occupation as cooks. The truth is the majority of them think they are renowned chefs.

The array of chili dishes varies each year. Usually, we get chilis that range from deer to chicken, and beef to vegetarian. Some are milder than your 90-year-old grandmother on a Saturday night, while others will light up your life.



In an effort to show we truly have our employees' interest at heart, we tried to purchase Tums for dessert, but we found out that government funds could not be authorized. So,

as a second best option we borrowed Farmer Fred's cow and gave everyone a glass of milk afterwards. It must have worked



Judge David Rivery of the Defense Contract Management Agency in Houston announces the winners. (Photo by Randy Cottrell.)



The winners enjoy bragging rights and other spoils. From left to right are: Second Place winner Howard Eaves, an inventory and traffic manager, First Place winner and Deputy Commander Frank Wright, and Third Place winner Rudy Hession, an inventory and traffic manager. (Photo by Randy Cottrell.)

because the next day we did not have one employee stay home sick from work.

Among this year's judges was former Deputy Commander of DESC Americas Tom Korczynski, who retired in December. (It's amazing he made it to retirement after judging chili for so many years.) As you can tell by his last name, Tom comes from a long family line of chili aficionados.

First place went to Deputy Commander of DESC Americas Frank Wright (hey is this contest rigged or what); second place to Howard Eaves, DESC-AME inventory and traffic manager; and third place to Rudy Hession, DESC-AME inventory and traffic manager.

So, if you ever get down to Houston in February, be sure to stop in DESC-AME for some of the best chili you've ever eaten. Be brave and don't be afraid; Saint Joseph's hospital is just around the corner.

The Big Picture



Dail outlines strategic direction, begins series of e-mail messages in February

By DLA Director Lt. Gen. Robert T. Dail

During my first few months at the Defense Logistics Agency, I have visited many field activities and engaged in detailed discussions with agency leadership. However, time constraints prevent me from meeting with all 22,000 agency employees as I travel to visit our great team. To help bridge this communication challenge, I am writing a series of messages directly to the workforce to let you know my thoughts about the direction I see the agency taking over the next few years, your role in that future and how it will improve support for the warfighter.

In this first e-mail I will quickly outline three high-level enhancements to our strategic direction and provide more detail on each one in future messages – this is just the introduction.

Delivering on DLA's vision requires far more than our

successfully managing DoD's wholesale supplies and suppliers. To provide the superb support that our troops expect and deserve in the future, we must begin by leveraging the capabilities contained in our many transformational initiatives such as Base Re-alignment and Closure 2005 and the just-completed Business Systems Modernization program. We must also embrace and commit our resources and energy to three new strategic thrusts, each designed to move the agency beyond its traditional wholesaler roles and responsibilities. To these ends, we need to pull together to:

Extend the Enterprise – To capitalize on opportunities to improve warfighter readiness at less total cost to DoD, DLA will forge a strong alliance with U.S. Transportation Command and the military services' Materiel Commands and physically align resources with supported activities to a far greater extent than today. Much of this "forward presence" will result from resources being transferred in-place from the military services as the recent BRAC decisions are implemented.

Connect Warfighter Demand with Supply – DLA will continue leading DoD's logistics transformation by establishing and managing a seamless link between military service-identified material requirements and where their material requirements are ultimately filled – within the American industrial base.

Deliver Supply Chain Excellence
DLA will forge end-to-end logistics support solutions that strike a balance between effectiveness, reliability, speed, visibility and cost – as defined by the warfighter customer.

Again, a lot more to come on each of these in the weeks and months ahead. I just wanted to open the dialog. As always, I appreciate the hard work you do everyday to support our nation's heroes in harm's way.



DLA Director Lt. Gen. Robert T. Dail discusses the agency initiatives at a November 2006 Director's Call.

Dail addresses 'Extending the Agency' in March message to DLA team

By Lt. Gen. Robert T. Dail
DLA Director

A few weeks ago I wrote you the first in a series of messages about the direction the Agency will take over the next few years. In that e-mail I provided you a very high-level view of DLA's three new strategic thrusts – Extend the Agency, Connect Warfighter Demand with Supply, and Supply Chain Excellence. In this second message, I will dive a bit deeper into what it means to Extend the Agency and how we will make it happen.

Today, the agency's supply support capabilities reside almost exclusively inside the fences of our inventory control points. While DLA distribution depots manage DoD's global wholesale physical inventories, in most instances the material we provide the military services is processed through another warehousing operation en route to the ultimate consumer. In our supply and distribution business lines, there are both gaps and layers of support between DLA and the final users of our material. These gaps/layers create obstacles to the effective and efficient operation of the Department's end-to-end supply chains.

The recent BRAC decisions provide the basis for the agency's larger Extend the Enterprise strategic thrust. A couple of the BRAC provisions will transfer more than a thousand "in-place" supply, storage and distribution employees to DLA at 13 of the military service's maintenance depots and transfer in-place more than 600 procurement professionals and the functions they perform inside the services' inventory manage-

ment commands. As I've stated in Director's Call meetings with our current workforce, DLA has a long history of excellence in the integration of new workers to the DLA team. I am confident that we will again demonstrate this at every level of the organization.



General Dail briefs at the February 2007 Director's Call

The people and functions DLA will inherit as a result of BRAC serve as the foundation of our plans to extend the enterprise. Our intent is to complement the work performed at DLA supply centers with the work at depot locations, better linking our supplier network with warfighting client demand; and, to allow for better coverage of the tasks required of our current team at the supply centers. I envision that the next couple of years we will network our supply centers with the depots through capabilities such as Business Systems Modernization, collaborative demand planning and our world-class distribution operations.

I'll talk a little more in depth about a couple of other BRAC provisions and BSM in my next update to you. I know all of you are

interested in how well we view our implementation of the BSM capability across the agency. I'll provide my assessment as director. As always, I appreciate your support for the agency's evolving mission and for your direct contributions to the men and women in uniform who count on you every day.

Thank you.

Lt. Gen. Robert Dail

Air Force, DLA jointly plan BRAC 2005 implementation

By Sue Murray and Lynne Allen
Materiel Readiness Project
Office and BRAC
Implementation Office

Air Force and Defense Logistics Agency personnel met in Dayton, Ohio, in February to plan the implementation of the Base Realignment and Closure 2005 supply, storage and distribution decision at Warner Robins Air Logistics Center, Ga.

The BRAC 2005 decision calls for the Department of Defense to reconfigure its supply, storage and distribution infrastructure into one integrated supply, storage and distribution provider supporting WR-ALC depot maintenance requirements. This infrastructure will reduce duplication of functions and inventory, optimize resources and streamline SS&D processes. WR-ALC is the first of the three Air Force ALCs and the first of 13 industrial sites across all four military services to implement this BRAC decision.

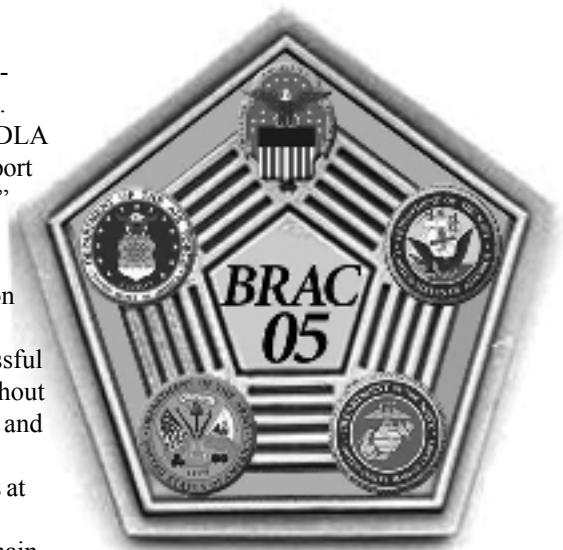
“As we continue to integrate with the Air Force BRAC implementation team to meet the BRAC 2005 decisions, DLA

pledges to ensure uninterrupted customer support,” said Army Brig. Gen. Dave Kee, executive director of the DLA BRAC Implementation Office. “Support to the warfighter is our main focus.”

The planning team is creating a plan of action and milestones for the SS&D implementation. The action plan will define specific tasks to be completed that will support a successful transfer of functions and people without degradation of support to readiness and the warfighter.

“The joint implementation team is at the forefront of planning a critical transformation of the DoD supply chain. Our depots deliver the aircraft and repair parts that keep Air Force missions flying. A superb plan, executed well, will ensure our maintenance lines keep delivering and our Air Force keeps flying,” said Lorna Estep, deputy director of supply for the Air Force Materiel Command Directorate of Logistics.

This joint implementation planning team will serve as a model for subsequent DoD SS&D implementations at the Tinker ALC in Oklahoma City and Hill ALC in Ogden, Utah, as well as the other military



industrial sites.

Implementation at WR-ALC is planned for the first quarter of fiscal year 2008. Tinker and Hill ALCs will follow with implementations planned for the second and third quarters of fiscal year 2008, respectively.

For more information on BRAC 2005 supply and storage, visit <https://today.dla.mil/BRAC/default.asp>. Questions can be sent to bracquestions@dlamail.mil.

First National Security Cutter Bertholf fuels up

Pascagoula, Miss. — The first National Security Cutter, Bertholf,



The Bertholf refuels by barge in February.

received its first 25,000 gallons of fuel by barge here Feb. 24.

“It was an extremely successful first fueling,” said Kevin Amis, NSC program manager. “We tested all three fueling stations, proving their operability.”

The Bertholf is the first new high-endurance cutter built for the Coast Guard in 35 years. It is 418 feet with a 4,300 ton displacement at full load. Powered by a twin screw combined diesel and gas

turbine propulsion plant, it is designed to travel at a maximum speed of 28 knots.

The cutter includes an aft launch and recovery area for two rigid-hull inflatable boats, a flight deck to accommodate a range of rotary wing aircraft, and advanced command and control and communications systems.

Essential shipboard systems including the machinery control system, firefighting systems, and fuel oil fill and transfer systems had to be up and running in order for the first fueling to be completed. The next step is to complete fuel system flushing, ensuring that all piping, filters and tanks are ready to feed a generator light-off scheduled for April.

DESC's sister Inventory Control Point expedites oil contract

By Cathy Hopkins
DSCR Public Affairs and
Susan Declercq Brown
DESC Public Affairs

It runs in the family!

DESC's sister Defense Logistics Agency inventory control point, the Defense Supply Center Richmond, recently proved this axiom true by displaying a fervor for customer service and the commitment and expertise to expedite oil contracts to meet growing warfighter requirements.

DSCR's Petroleum, Oil and Lubricants Integrated Supplier Team awarded a contract Feb. 1 for high-demand 15W40 motor oil within 90 days from start to finish.

"The 90-day timeline wouldn't have been possible without the whole DSCR team – from POL IST to cost and pricing to legal to small business office to industrial preparedness – making it a priority," said Julie Tillery, a POL IST contracting officer.

According to team members, the average length of time to award a long-term contract is 120 days.

The long-term, indefinite-quantity contract was awarded to Safety-Kleen Systems Inc. of Plano, Texas, and is for nearly \$53 million over three years.

The contract represents multiple national stock numbers for the same grade of oil with packaging in quart bottles, five-gallon and 55-gallon drums.

"This oil is the highest used and most popular engine oil in the field," said Dee Beville, POL IST supply planner. "The Army is the largest user of the oil, and it is used in almost every tactical vehicle with a diesel engine." The oil is used in such vehicles as the M-109 howitzer and Humvee, and the C-5 Galaxy and KC-

135 Stratotanker aircraft.

Stock levels of 15W40 started generating concern as early as September.

"I started sending out weekly updates to DSCR Aviation Customer and Supplier Operations, Defense Supply Center Columbus and headquarters U.S. Central Command as well as DSCR command officials," said Patricia McMahon, a senior contracting review officer for Aviations Supplier Operations.

Tillery said the majority of the oil on this contract will go to overseas units, and the contract has a flexible option clause that allows the center to go into next year's option early based on

maxed out in 2006 instead of 2009 as projected because of increased demand.

The center had been writing about four fixed-buy contracts a year that would take between 90-120 days each to process. "Instead of writing four firm-fixed-buy contracts a year, a long-term contract allows future delivery orders to be placed in one day," Beville said.

"The oil is a higher-grade product than is commercially available which allows it to be used in engines and transmissions," said Harry Broddus, a product specialist and chemist on the POL IST. "It is made up of a minimum of 25 percent re-refined oil instead of virgin oil and requires additional testing to meet military specifications."

McMahon said weekly updates are likely to continue even when levels of all POLs are in good standing as long as demands are high and volatile. She said right now the objective is to push as much stock as possible to the Defense Distribution Center to move it as quickly as possible.

"The re-refined contract for the 15W40 oil was awarded [Feb. 1] and the first delivery orders were issued Feb. 2," McMahon said.



Many vehicles and weapon systems, like this Humvee, rely on the 15W40 motor oil.

demand. The indefinite-quantity-type contract lets the center purchase the oil from another contractor if need be after the guaranteed yearly minimum for the contract is met.

She said the increase in demand is very noticeable when comparing contract value from 2004 to the recent contract. "In 2004, the contract was for \$1.1 million, and this contract is for \$53 million over three years," Tillery said.

According to Beville, the last contract

In the Limelight

Duplessie, Lyons honored as DLA Employees of the Quarter

By Carolyn Smith
DLA Public Affairs

Defense Logistics Agency Employees of the Quarter for the first quarter of 2007 were announced March 7. Two employees were selected out of 36 nominations submitted.

The winners, Beverly Duplessie, a fuels inventory and traffic manager at the Defense Energy Support Center, Americas East Region, and Thomas Lyons, a program analyst in DLA Information Operations, were given certificates and director's coins.

Duplessie said the special recognition was for actions she considers normal requirements and duties of the position. She attributes her nomination to contract cost savings for removing two under-used aviation products from a contractor.

"The recognition means management will listen to employees' concerns and act on them, providing the requested

initiative has been well researched and documented," Duplessie said.

Lyons said he is honored to receive this award and considers it a pleasure to work at DLA. For Lyons, the win is "recognition that hard work and ingenuity get noticed within the Agency, and this program should encourage other DLA employees to achieve great things as well."

Nominations are submitted by supervisors or managers. The DLA Recognition and Awards Board selects winners based on criteria such as an employee's superior performance, innovative improvements, humanitarian service, team work with other employees, savings to the government and acts or services that reflect positively on DLA.

The program was created to motivate and recognize those employees displaying exemplary service in support of agency missions and functions.

Duplessie named Employee of

By Susan Declercq Brown
DESC Public Affairs

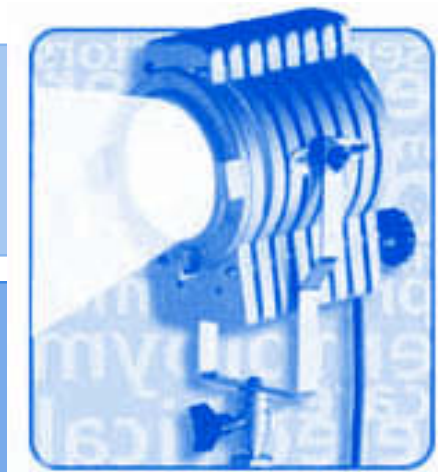
Beverly Duplessie has been named the Defense Energy Support Center Employee of the Quarter for the first quarter of fiscal 2007. Duplessie is an inventory traffic management specialist for DESC Americas East in Houston. In a letter announcing the award, DESC Interim Director Rear Adm. Henry Tomlin called Duplessie "an amazing employee who sets the standards for other inventory managers to follow." He praised her for daily excellence and above-and-beyond service.

Duplessie handled the daily customer fuel and transportation needs at four major Defense Fuel Support Points with storage valued at more than \$94 million. In addition, she had complete oversight of two Buckeye Corporation pipelines, and was the primary point of contact for 14 major military bases. Demonstrating "the true meaning of teamwork," she also volunteered to learn the responsibilities of her co-workers, then she provided backup for co-workers taking leave over the holidays.

Duplessie kept fuel moving from the refineries to her

customers; she ensured optimal inventory levels at DFSPs Carteret, N.J.; Portland, Maine; Ludlow, Mass.; and New Haven, Conn. This guaranteed there was always sufficient fuel on hand to meet daily requirements and any unscheduled fuel consumption surges. This was no easy task, considering the 690,000 barrels of petroleum products stored at the facilities. In addition, she maintained adequate levels of fuel additives at the DFSPs despite a malfunction of the automated supply ordering system. When the system failed to recognize DFSP Department of Defense Activity Accounting Codes, Duplessie intervened through the HELPDESK to temporarily circumvent the automated system.

She also undertook an innovative cost-saving initiative after noticing that fuel issuances of JP5 and F76 at DFSP Carteret had decreased over the last few years. Duplessie extracted last year's consumption data from the Defense Fuels Automated System Enterprise Server, coordinated with DFSP managers, compared SDDC transportation rates and chose the most



Beverly Duplessie,

an inventory traffic management specialist for DESC Americas East, was recently named both DESC and DLA Employee of the Quarter.

the Quarter for DESC (1st Qtr)

effective DFSPs to best serve the Northeast. As a result of her work, JP5 and F76 were eliminated from the contractor-owned-and-operated Carteret's inventories, saving the government nearly \$5 million in storage rentals over the life of the contract. Duplessie called gathering the statistical data and persuading management of the cost savings the most challenging and rewarding aspect of her job.

She also handled the task of depleting the 98 million barrels of F76 and 14 million barrels of JP5 which were currently stored at Carteret. Normal consumption of these products would not have depleted the products. In addition, the state of New Jersey was

threatening hefty environmental fines if DESC did not quickly remove the JP5 so an overdue American Petroleum Institute inspection could be completed.

Duplessie's clever plan called for the MV Lawrence Gianella to immediately remove both products from Carteret at the same time and then supply much-needed fuel to other DFSPs. Coordinating with specialists in the DESC Bulk Fuels Commodity Business Unit and with fellow Americas East team members, Duplessie brought her plan to fruition.

Duplessie saved the government approximately \$500,000 in transportation costs and thousands of dollars in environmental fees.

But Duplessie didn't stop there. She

coordinated further with on-site quality assurance representatives and terminal contract personnel and determined there was a way to recover more JP5 by downgrading the product to JP8 so the remaining tank bottoms could be retrieved on site. Had the product not been retrieved on site, DESC would have spent an additional \$15,000 on transportation costs.

Called "a true supporter of humanitarian efforts," Duplessie volunteered to manage the Combined Federal Campaign. She also volunteered in a local school and nursing home. She also serves on the annual Black History Program presentation. "She is well deserving of the award," said Tomlin.

Fuelies attend the Joint Forces Staff College

Three DESC sub-region commanders found themselves classmates in a December to March session of the Joint Forces Staff College. In February, the three posed in front of the schools seal, demonstrating the school model: that all may labor as one. Pictured from left to right are Air Force Lt. Col. Doug Bugado, commander of DESC Mid-Pacific; Cmdr. Andrea Lemon, commander of DESC Mediterranean; and Air Force Lt. Col. Curtis Wilken, commander of DESC Japan.



Defense Logistics Agency Contingency Support Team members display pride in Kuwait

Pictured from left to right, in March, are Phil LaBranch, Petty Officer 1st Class Andy Howells, Bob Bednarcik, Paul Mellon, Army Col. Keith Kodalen, Yousuf Smalls, Marherlia Bynum, Gene Boss, Petty Officer 1st Class Dan Spenn, DESC's Maggie Timms and DESC's Army Col. Randy Banez.



Photo Gallery



Readers invited to write the caption for this photo

E-mail your suggested captions to this photo to the Fuel Line editor at DESC.FuelLine@dla.mil. Captions should arrive no later than June 20 to be considered. The best captions and their suggesters will be listed in the July issue of Fuel Line.

(Photo courtesy of DESC Executive Officer Maggie Timms while deployed to the DCST Kuwait.)



Defense Logistics Agency Contingency Support Team members prepare for liftoff

Seated in the helicopter, from left to right are Army Col. Randy Banez, Petty Officer 1st Class Andy Howells, Maggie Timms, and Army Col. Keith Kodalen.

DESC-DEB
Defense Energy Support Center
8725 John J. Kingman Rd.
Suite 4950
Fort Belvoir, VA 22060-6222

PRESORTED STANDARD
U.S. POSTAGE PAID
TEMPLE HILLS, MD
PERMIT NO. 4004



1-800-2TOP OFF
www.desc.dla.mil