### A publication for all members of the NNSA/NSO family

### Unicorn uncovers key stockpile data

he Unicorn is a symbol of innocence, a totem that evokes peace, courage, and wisdom.

Even though the latest test in a series of experiments to assess the reliability of the nation's nuclear stockpile is not as mystical, test results will yield some wisdom of

their own.

The subcritical experiment, called Unicorn, was successfully conducted at the Nevada Test Site (NTS) on Aug. 30 by Los Alamos National Laboratory (LANL).

"A data review immediately following the experiment confirmed our expectations that a tremendous data set was obtained," said LANL Test Director Gene Christensen.

In a subcritical experiment, plutonium, the explosive ingredient in a nuclear weapon, is shocked with high explosives so scientists can observe how the materials interact and respond to the blast. The experiments are subcritical;

The Unicorn subcritical package was placed in the center of this rack, with diagnostics racks located directly above and below the package.

that is, no critical mass is formed and no-self sustaining nuclear chain can occur; thus, there is no nuclear explosion.

"Subcritical experiments are a complex orchestration of science and expertise."

> However, the tests do provide scientists with key data that provides critical information to maintain the safety and reliability of the nation's aging nuclear stockpile.

> According to Ron Alderson, representing the National **Nuclear Security** Administration Nevada Site Office (NNSA/NSO) for the LANL subcritical experiment, these tests require a good deal of complex and comprehensive planning.

"For example, the device does not simply arrive at the NTS



ready for detonation," explains Alderson. "Unicorn was first created in the Device Assembly Facility (DAF), where the Los Alamos National Laboratory carefully built the package."

continued on page 4

Unicorn uncovers key data on stockpile	1	
Drill tests skills of emergency responders	1	
Flag ceremony honors reservists, guards		
Contractors do "double duty" defense		
Partial closure of disposal facility planned		
Future leaders at the Nevada Site Office		
Milestones	7	
Calendar	8	

### FRMAC drill tests In This Issue skills of ER responders

t's 5:30 on a Monday morning. The rush hour traffic is moving along at its normal pace. Then disaster strikes. A truck slams into another car, there is an explosion, and both cars are virtually destroyed. The two people inside the truck and the driver of the second car are killed.

The explosion rips a 20foot crater in the ground;

the blast radius is larger than 100 feet. A toxic cloud hovers above the crash site. First responders soon realize that this bad situation is much worse than it initially appeared because a large radioactive source was inside the truck. The Governor of Alabama declares a State of Emergency for his state and formally asks for

continued on page 4

## Ceremony honors reservists and guards who

ndaunted by the early morning heat and the bright light of the Las Vegas valley sun, a crush of federal employees and contractors gathered in front of the Nevada Support Facility Aug. 3 to honor the military service of more than 20 National Security Technology (NSTec) and Wackenhut Services Inc. (WSI) reservists and guardsmen who have served in support of the "War on Terror."

The brief but poignant ceremony was peppered with the names of reservists and guardsmen who have served in units from Fort Irwin to Afghanistan during the past year. **Steve Warner**, WSI Director of Training, paid special respect and recognition to former WSI employee and Army reservist, **Carlos Saenz**, who lost his life more than two months ago while serving in Iraq.

Carlos was a Protective Force Supervisor with more than 20 years of employment with WSI. WSI plans to name the Live Fire Shoot House that's currently under construction in his honor. This training facility is being built on the WSI Training Facility in Area 23 (Mercury) of the Nevada Test Site (NTS) and is expected to be completed by November 2006.

"First Sergeant Carlos Saenz and his family made the ultimate sacrifice when he

was killed in action by a road side explosive device in May of this year," Warner said. "It was in his nature to dedicate 110 percent effort...and it is clearly visible from the responses of his soldiers, his leadership accomplishments, and Iraqi citizens who knew him, that Carlos made a significant contribution to all. From all of us who knew him, he will be missed."

United States Air Force reservist and NSTec Medical Director Col. David Snell (recently returned from Southwest Asia), underscored the solemnity of the ceremony with a flag presentation to NSTec Chief Operating Officer Mike Butchko. The American flag that Col. Snell brought back was flown over Camp Eggers, Afghanistan, and symbolized the wartime contributions of the workforce at the NTS.

"Along with my [military] colleagues who work here at the test site, we would like to thank you for spending part of your day here to honor those who have served...and for those who chose the military calling and duty of service before self, sometimes making the ultimate sacrifice." Snell said to the crowd.

Butchko presented the flag to NNSA/NSO Acting Manager Dr. Jay Norman. The NTS Fire and Rescue Honor Guard



received the flag from Norman and raised the colors to the national anthem.

Said Norman of NSTec and WSI reservists and guardsmen, "Everyone who works in support of the Nevada Test Site already provides an invaluable service in securing our nation, but we have several others here whose service extends to the frontline defense of our country...they are the men and women who proudly don military uniforms and fight against terror abroad."

### Contractors perform 'double duty' defending nation

hroughout history to today's troops currently deployed abroad, citizen-soldiers have quietly answered the intermittent call to protect and defend this nation since its inception, and many National Security Technologies (NSTec) and Wackenhut Services, Inc. (WSI) employees have continued this honorable tradition of military service.

They are the reservists and guardsmen who not only join National Nuclear Security Administration Nevada Site Office (NNSA/NSO) federal employees and other contractors to defend the nation through supporting stockpile stewardship and research, but also directly defend the United States while donning the uniform of all our armed services.

For NSTec employees like Air Force Staff Sgt.-select **Virginia LaVigne**, performing "double duty" in the protection of her country is a privilege.

"I can only describe it as a great sense of pride," said LaVigne. The Michigan native has deployed to Kosovo to support operations as an information manager, and she expects to deploy in support of Iraqi operations early next year.

"When I deployed to Italy [in support of Kosovo] I had never worked so hard in my life, but it truly was some of the most rewarding work I've ever done," explained LaVigne. "I was honored to serve and I look forward to helping my country again."

LaVigne's attitude is the common thread one finds among all the citizen-soldiers here -- even those with additional burdens.

Air Force Veteran and WSI employee **LeAnn Dahl** is the mother of a 15-month-old child. Her husband is an active-duty member at Nellis Air Force Base and currently serves in Iraq.

### have served or continue to serve our nation



American Flag flown in Afghanistan to NSTEC Chief Operating Officer Mike Butchko. NNSA Acting Manager Jay Norman stands in the background.(2) LeAnn Dahl observed the recent Flag Presentation Ceremony at the Nevada Support Facility, and stands proudly in front of the American flag.(3) The NTS Fire and Rescue Honor Guard provided a poignant presence during the flag ceremony, which culminated with the flag flying high against the blue skies above the Nevada Support Facility (4) The honorees at the flag ceremony - from left to right Jennifer Rolls, Dr. David Snell, Robert Sandoval, and Virginia LaVigne - chat among themselves after the



## Double Duty continued from page 3

"I must admit that there have been times when I've been pretty overwhelmed with everything -- working the long hours, taking care of my son, and dealing with my husband's deployment - but it's amazing what

you can do when you put your mind to it," Dahl said. "I enjoy my job and I'm proud of my service and the service of my husband. There's no hardship that could change that." List of Employees who have served on active duty in support of the war in Iraq/Afghanistan since 9/11

Employees who died in the line of duty:

Carlos N. Saenz Christopher L. Weaver

Employees who have served in the last year:

Corey A. Adkins, WSI John T. Berry, WSI Angela Cabrera, WSI George P. Condos, WSI James A. Crawford, WSI Martin Gallegos, WSI Christopher M. Healy, WSI Richard L Kelley, NSTec Samuel Lopez, WSI David A. Moulton, WSI **Arnold Pasillas, WSI** Matthew H. Rasmussen, WSI Zacharv G. Rarev. WSI Robert Sandoval, NSTec David Snell, NSTec **Kyle Stucki, NSTec** John H. Tome, WSI

Employees that have served outside that period:

John J. Aguayo, WSI
Melissa A. Cousins, WSI
Kevin L. Hernandez, WSI
Virginia La Vigne, NSTec
Mary O'Donnell, NSTec
Jim Tellinghuisen, NSTec
Jose Valencia, WSI
Steven D. Warner, WSI

## Unicorn continued from page 1

Once that was complete, NSTec played an important supporting role in the success of the actual test. NSTec Project Manager **Jim Gatling** says that "once the package leaves the DAF, we transported it to the experiment site, known as U6c, and also provided additional logistical and technical expertise."

Once Unicorn arrived at the site, it was loaded into a rack which was lowered into the bottom of an existing hole approximately 620 feet deep. During the experiment, cables snaked to the assem

bly and experiment diagnostics to fire key data signals back to the assembly.

All previous subcritical experiments have been conducted in a horizontal tunnel in the U1a complex located 960 feet underground. In addition to providing important information for stockpile stewardship, the Unicorn subcritical experiment exercised key NTS capabilities not otherwise witnessed in experiments carried out at the U1a complex.

"Subcritical experiments are really a complex orchestration of science and expertise," says **Debbie Monette**, NNSA/NSO Unicorn Test Controller. "The professionalism and cooperation of all the team

members involved really made this experiment a success."

The NNSA has conducted subcritical experiments to support the Stockpile Stewardship program at the NTS since 1997. In addition to providing crucial data on the aging nuclear stockpile, "subcrits" have helped to maintain vital skills at the NTS and the nuclear weapons laboratories. They are also fully consistent with the U.S. underground nuclear test moratorium in force since 1992.

Unicorn was the nation's 23rd such experiment since the subcritical program was launched in 1997. Previously, the Krakatau experiment was conducted Feb. 23, 2006.

### ER Responders continued from page 1

Federal assistance. With that, the Department of Energy's National Nuclear Security Administration's (DOE/NNSA) Emergency

Response Program springs into action.

Fortunately, this was not a "real world" scenario; instead it was all part of a five-day, NNSA-sponsored exercise dubbed "Southern Crossing." The host city was Dothan, Ala.

"This exercise gave participants the opportunity to test and validate protocols and procedures for responding to a radiological accident or incident" commented **Joseph Krol**, NNSA Associate Administrator for Emergency Operations. "During a radiological accident, the NNSA-led Federal Radiological Monitoring and Assessment Center (FRMAC) performs the vital function of collecting and assessing radiological data related to the event and provides information to the decision makers to help protect and ensure public health and safety."

During the exercise, hundreds of environmental samples were collected covering a three-state region and more were simulated. Many of the samples were analyzed by technicians in three mobile laboratories dispatched by the Environmental Protection Agency and the states of Florida and Georgia. Other samples were sent to certified regional laboratories for more detailed analysis. One fixed-wing aircraft, stationed at NNSA's Remote Sensing Laboratory on Andrews Air Force base, was deployed real-time to conduct aerial radiation monitoring.

Geographic Information System (GIS) specialists plot the environmental and radiation data that is so diligently collected and prepare it for interpretation by the Assessment Division. It is the task of the Assessment Division to interpret literally thousands of data points. Finally, an Advisory Team composed of such entities as the Environmental Protection Agency, the Centers for Disease Control, and the Department of Homeland Security, advise local decision makers on the appropriate protective

(Right) NSTec scientist Craig Marianno analyzes the data coming in from aerial radiation sampling over the "incident" site. (Below) David Bowman, NNSA, (background) looks over a plume projection from a fixed wing aircraft sent over the "incident" site to conduct radiation surveys.





actions to take based on how the data has been interpreted.

"Southern Crossing was designed to initiate various Emergency Operations Centers (EOCs) at the county and state level" said Colleen O'Laughlin, FRMAC Program Manger and Southern Crossing Exercise Director.
"These decision-makers in the

EOCs rely on our maps and data products to provide them with a comprehensive and understandable view of the emergency."

**Phil May** of the Alabama Emergency Management Agency offered another perspective.

"This exercise ensures we respond to a radiological emergency in a coordinated fashion," said May. "It's also always important for the government to demonstrate and test its systems."

As exercise play progressed, two "time-jumps" to day seven and day 30 redirected decision-makers to address long-term health and agricultural impacts. The exercise ended after a turn-over meeting in which FRMAC management was transitioned to the EPA for long-term cleanup and monitoring. A total of 330 participants took part in the Southern Crossing exercise.

### Partial closure of disposal facility planned

¶ fforts have increased to close a 92-acre area at the Area 5 Radioactive Waste Management Complex (RWMC), which represents approximately 60 percent of the 160 acres currently used for the storage and permanent disposal of low-level. mixed low-level, and transuranic waste at the Nevada Test Site (NTS).



Aerial view of the Area 5 Radioactive Waste Management Complex. The dashed line indicates the 92-acre area designated for closure by the year 2011.

Low-level waste operations have consumed all available space within a 92-acre area.

In 1961, low-level waste generated by the nuclear testing program at NTS was first disposed at what eventually became the Area 5 RWMC. Following the establishment of a formal Waste Management program at the NTS, the first U.S. Department of Energy (DOE) off-site generated low-level waste shipment was disposed in 1978. More than 30 generators and nearly 15 million cubic feet later, low-level waste operations have virtually consumed all available space within existing disposal cells in the 92-acre area - necessitating its closure.

Closure of the 92 acres involves placing a

"vegetated, monolayer evapotranspiration (ET) cover," which is soil with native plants, over the disposal cells. The monolayer soil cover is designed to meet the closure requirement of DOE Order 435.1; it will also provide the equivalent protection of a standard Resource Conservation and Recovery Act (RCRA) cover, while offering superior performance with respect to subsidence. Currently, a 13-foot thick monolayer soil cover is being proposed.

Because both low-level and mixed low-level disposal cells exist in the area, each individual cell must meet the requirements of U.S. Department of Energy Order 435.1 and associated manual M-435.1-1. Additionally, disposal cells that contain hazardous constituents (such as mixed low-level waste) are regulated by the NTS RCRA Part B Permit issued by

the State of Nevada Division of Environmental Protection.

A closure plan will be prepared after a characterization report is accepted by the state.

In order to conform to these regulations, a characterization report is being prepared and will be completed by

Sept. 30, 2006. Once this report is accepted by the State of Nevada Division of Environmental Protection, a closure plan will be prepared.

This plan will detail how closure is to occur and will include engineering drawings of the final closure cover and site drainage. Other information used to develop the closure plan will be based upon the results of the Area 5 RWMC Performance Assessment. The objective of this systematic analysis, which uses computer models, is to identify any potential releases of contamination due to the facility's geo-hydrological disposal system performance over 1,000 years.

Following permanent closure of the area, maintenance and monitoring will continue to ensure the safety of the public and the environment.

### Area 5 RWMS Disposal Background

The Area 5 Radioactive Waste Management Complex is located in the southeast portion of the Nevada Test Site, within Frenchman Flat near the dry-lake bed. Categorized as an arid environment, rainfall in Area 5 is minimal, averaging between four and six inches per year, and groundwater is more than 750 feet beneath the surface.

Approximately 730 acres are designated for radioactive waste management activities in Area 5, of which approximately 160 acres are currently used for storage and disposal. Only nine of the 32 engineered disposal cells in Area 5 are active; three are within the area designated for closure by the year 2011.

In general, disposal activities in Area 5 are conducted by placing drums and boxes in shallow, excavated disposal cells which range from 12 to 48 feet deep.

Once delivered to the predesignated disposal cell, waste containers are carefully stacked and methodically arranged in a grid system to facilitate tracking. Typically, as each disposal cell fills with waste, an 8-foot thick layer of native soil is placed over the waste.

Depending on the specifics of the low-level waste, additional soil may be needed.

#### What is Evapotranspiration?

Evapotranspiration is the process through which extremely dry air pulls moisture from plants as well as from the desert soil. This process effectively prevents water from migrating to the groundwater.

Evapotranspiration is critical to environmental protection in Area 5. It ensures that any surface water does not infiltrate waste containers in disposal cells and transport contaminants to groundwater.



### Future Leaders at the Nevada Site Office

n June 14-15, 2006, the National Nuclear Security Administration Nevada Site Office (NNSA/NSO) hosted a Future Leaders orientation.

The orientation is part of the NNSA Future Leaders Program (FLP), which mentors technically competent professionals to eventually manage programs and projects within the NNSA, including energy-related and national defense weapons-related programs at nuclear and non-nuclear facilities, or reacting to threats of nuclear terrorism.

The orientation focuses on the specific attitudes, behaviors, skills, and capabilities necessary to create a culture that is committed to innovation, creativity, risk taking, and idea generation. In addition, the orientation emphasized the timeless

qualities and behaviors that are critical for exceptional leadership.

During orientation, employees are instructed in professional writing skills, presentation skills, and projecting a positive professional image. Distinguished instructors include Dr. Jeff Pon, U.S. Department of Energy Headquarters; Charles R. Loeber, author, *Building the Bombs*, *A History of the Nuclear Weapons Complex*; and Dr. Arthur Lange, trainer/consultant.

Participants in the program learn to identify and manage the strengths and weaknesses of their leadership styles.

Participants also focus on the acquisition of cognitive leadership skills and capabil-

ities, and how to remove organizational

barriers to create a culture that drives competitiveness.

During training, the FLP provides experiences that build and strengthen technical knowledge and the application of theory to real world problems in work situations. The program combines work situations at multiple NNSA locations and contractor organizations, an aggressive internal training program, and mentoring.

Assignment rotations require participants to be geographically mobile in order to obtain a broad knowledge of NNSA facilities nationwide. Graduates are expected to begin permanent assignments at the location they began their orientation.

Above: NNSA/NSO Future Leaders at an orientation in June 2006.

### Pace-to-Pace

Name: Andy Weber

Title: Project Controls

Manager

Company: Stoller-Navarro Joint

Venture

**Hometown:** Kansas City, Mo.

**Hobbies:**` Coaching and watching my kids in

sports, traveling, wood working, and

working around the yard

What Andy has learned that has made him better at what he does on the job today is, "education and training, of course." If he could have any job he wanted, that would be "no job" or he would be self employed. Something about Andy that most people wouldn't know, he simply says that he has nothing to hide.

### Face-to-Face

Name: Ursula Lovato

Title: Administrative Assistant

Company: Wackenhut Services, Inc.

**Hometown:** Albuquerque, N.M.

Hobbies: Spending time with

family, crocheting, reading,

music, movies, cooking, poker and card games.

Ursula's most significant contribution to the Nevada Site Office so far has been deriving enjoyment from working with people and getting to deal with the public everyday in her job working with site access. She loves the customer service culture that WSI promotes. What she has learned that has made her better at what she does today is actually so varied and interesting that it would be hard to pinpoint just one thing. If she could have any job she wanted, she would be a professional poker player. Something about Ursula that most people wouldn't know is basically that she enjoys many hobbies (including the ones listed above) and she is a big Dallas Cowboys fan!



7

# .....Milestones

#### **CNSI**

5 years Nanette Okuda

#### **Desert Research Institute**

35 years **John Bowen** 

15 years Chris Heckman, William Walters

#### **National Security Technologies, LLC**

40 years Robert Kost

25 years **Bettye Branch, Bruce Clough, James** 

Gatling, Andrea Gile, Steven Iversen, Carlos Kirker, Dana Mendenhall, Irma

**Torres** 

20 years Wendy Cable, C.D. Castaneda; William

Gifford, Steven Koppenjan, Joel McMillin,

Fred Root, Phillip Watts

15 years Teri Browdy, Gloria Griffin, Warnick

Kernan, Stephanie Kovacs, Kathleen Pepin, Richard Pollina, Anna Ruth, Larry Strong,

Dennis Swick, Cassandra Zellers

10 years **Robert Buckles** 

5 years George Brienza-Larsen, Benjamin

Compton, Librado Esquibel, Cecilia Flores, Michael Harden, John Hollabaugh, Danny

#### The following acronyms appear frequently in SiteLines:

BEEF Big Explosives Experimental Facility
CTOS Counter Terrorism Operations Support

DAF
Device Assembly Facility
DOE
Department of Energy
EM
Emergency Management
EM
Environmental Management
ES&H
Environment, Safety, and Health

FRMAC Federal Radiological Monitoring & Assessment Center
JASPER Joint Actinide Shock Physics Experimental Research

LANL Los Alamos National Laboratory
LLNL Lawrence Livermore National Laboratory
NNSA National Nuclear Security Administration

NSO Nevada Site Office

NSTec National Security Technologies, LLC

NTS Nevada Test Site

PIP Process Improvement Project
RSL-A Remote Sensing Laboratory - Andrews
RSL-N Remote Sensing Laboratory - Nellis

SC NNSA Service Center
SCE Subcritical Experiment
SNJV Stoller-Navarro Joint Venture
SNL Sandia National Laboratories
STL Special Technologies Laboratory
WSI-NV Wackenhut Services Incorporated - Nevada

Langley, June Maes, Elizabeth Marker, Jose Martinez-Gonzales, Dorothy Modic, Hector Montenegro, Daniel Robinson, Peter Thornock, William Warthan

#### NNSA/Nevada Site Office

40 years **John Leppert** 

#### Ruckman Associates Inc.

5 years Karen McCullough

New Hires: **James Arikawa, Pat Arnold, Thomas** 

Bailey, Cynthia Bixby, Tom Bixby, Michael Bristol, Terry Browdy, Inger Burton, Linda Caldwell, James Capelle, Vernon Cash, James Chambers, Michael Charest Jr., Dominic Cotroneo, Holly Cox, Robert Cross, Alan Daniell, Sherry Daniell, Mark Dayson, Joseph Depa, Rhonda Douglas, Rebecca Flores, Janet Glovd, Carolyne Gogue, Jeremy Gwin, Joshua Holland, Gerald Houvener, Wanda Hubble, Melissa Hunt, Gina Jackson, Ethan Jenkins, Wanda Johnson, John Karczewski, Rebecca Keeley, Donna Kelsey, Richard Kicker, Patrick Kiley, Michael Kinney, Robert Knudson, Daniel Komro, Roland Kudo, Cheryl Lydon, James Mattimoe, Robert McKay, Luc Murphy, Paul Newhall, Jeffrey Padilla,

Annette Primrose, Donald Ray, Dawn Reed, Suzanne Rhodes, Christie Rodriguez, Riann Salcedo, Cathlene Stewart, Ryan Takara, Sharon Tutrone, Rick Wagner, Dennis Wai, Michael Walters, Cheryl Weiss, Sheryal Wesley, Tracy Whiteside, Jerry Wilkerson, John Wrapp, Luke Yardley, Connie Yelder White, ClayYoung, Marc Young, Jonathan

Zobay

#### Retirements

William Willis

#### In Memory

William Brady, former contractor Rex Fraizer, former contractor Dolores Monteiro, former contractor Jerry Moore, former contractor Jack White, former contractor

#### SiteLines

#### **SiteLines**

National Security Technologies, LLC P.O. Box 98521, M/S NLV 106 Las Vegas, NV 89193-8521 PRSRT STD U.S. Postage PAID Las Vegas, NV Permit No. 155 Published for all members of the NNSA/Nevada Site Office family Jay Norman, Acting Manager, NNSA/Nevada Site Office Darwin J. Morgan, Director, Office of Public Affairs Submit articles or ideas to the editor at M/S NLV106, restivnm@nv.doe.gov, or 702-295-7045

Editor:	<b>Contributors:</b>	Gary Mousseau
Norma Restivo	Doris Burnett	Cheryl Oar
NSTec	Nick Duhe	Norma Restivo
	Erin Gardner	Kevin Rohrer
Layout and	Ron Gibson	Kelly Snyder
graphics:	Al Karns	Karen Sondrol-
Norma Restivo	Steven Hommel	Maxwell
NSTec	Michelle Meade	Sharon Tutrone
	Darwin Morgan	Nancy Tufano

Printed on recycled paper





#### September 4

NNSA/NSO and contractor offices closed in observance of Labor Day.

### September 13

NTS Public Tour, open to interested members of the public. Sedan Crater, Frenchman Flat, Non-Proliferation Test and Evaluation Complex, Bilby Crater, Area 5 Low-level Radioactive Waste Management Site, Apple II houses. Contact **Brenda Carter, BN (702) 295-0944.** 

#### **Upcoming Conferences, Meetings, & Trade Shows**

#### September 6-8

The International Association of Emergency Managers cosponsors the 8th Annual Technologies for Critical Incident Preparedness Conference & Expo at the Hyatt Regency in Atlanta, Ga. The 8th Annual Conference will allow the Department of Justice, Department of Defense, and the Department of Homeland Security to highlight the technologies and tools now available and being developed for the emergency responder community. Go to http://www.regonline.com/eventinfo.asp?EventId=88623 to register online.

#### September 6-8

The International Society for Optical Engineering presents: Optics in the Southeast 2006 & High Capacity Optical Networks and Enabling Technologies. The conference takes place at the University of North Carolina at Charlotte, N.C. The conference covers the following areas: Photonic Devices, Imaging & Sensing Micro & Nano Optics, Optical Science and Materials and Optical Communications. For more information, go to: http://www.opticssoutheast.org/call/06/.

#### September 14-October 5

The Office of the Secretary of Defense (OSD) and the Defense Acquisition University will conduct seminars in

September and October 2006 on the proposed Federal Acquisition Regulations (FAR) for Government Property in the possession of contractors, FAR Part 45, and the associated clauses. Go to http://www.dau.mil/index.asp for more information.

#### September 16-19

The American Industrial Hygiene Association presents the Professional Conference on Industrial Hygiene (PCIH) 2006 in San Jose, Calif., at the Fairmont Hotel. PCIH 2006 will bring together more than 350 professionals looking for ways to deal with new issues and refresh their current skills. For program inquiries, contact AIHA at (703) 849-8888 or pcih@aiha.org. For questions on reservations, e-mail PCIH2006@conferon.com.

#### October 6-9

American Society of Civil Engineers presents the 4th Forensic Congress, a forum at which engineers, emergency managers, planners, architects, expert witnesses, attorneys, and scientists can focus on such diverse topics as environmental failures; failures during construction; geotechnical failures; and structural performance and serviceability. Register on-line at https://www.asce.org//register/continue.cfm.

#### October 7

The Las Vegas community is invited to attend the Desert Research Institute's (DRI) free Open House on Saturday, Oct. 7, from 10 a.m. to 3 p.m. See how DRI scientists are changing the world through live science. Visitors will receive a map to take a self-guided tour of DRI's campus, allowing them to choose from a variety of interactive, informative, and educational experiences that interest them. The younger crowd gets a "passport book" to take around to each demonstration to have scientists stamp it, showing they visited their demos. DRI is located at 755 E. Flamingo Rd., Las Vegas 89119. For more information, call (702) 862-5400.

