

A publication for all members of the NNSA/NSO family

DHS conducts test of Personal Radiation Devices at the Nevada Test Site

The Department of Homeland Security's (DHS) Domestic Nuclear Detection Office (DNDO) conducted a three-week test of personal radiation detection devices (PRD) at the



A PRD operator conducts an inspection of a cargo container holding a radiological source. The objective of this test called, 'Screening/Localization,' is to identify the exact location of the radiological source in the container. The data is electronically collected by the 'tablet recorder' to the left of the operator.

Nevada Test Site (NTS) during July and August.

The test, code-named Bobcat, was conducted at the DNDO Interim Test Track. The DNDO solicited commercially available gamma-ray PRDs, with or without neutron detection capability, to test technical performance. Eight commercial



A PRD operator (simulating a law enforcement person) walks by a radiological source (on table). He has raised his hand indicating that the PRD has alarmed. The data is electronically collected by the 'tablet recorder' to the right of the operator. The test was called Pedestrian Surveying.

companies sent 15 different types of PRDs to be tested by the DNDO. PRDs are typically worn or carried by law enforcement personnel and first responders while on duty. They are designed to detect nearby radiation sources and alert the wearer of a potential threat.

The objective of this testing was to help DHS/DNDO understand the operational capabilities, and subsequently, limitations of these PRDs under certain conditions. The tests were designed to characterize the performance of PRDs in field-like conditions using realistic sources, threat-representative test objects, and operationally relevant scenarios. The results from these tests will be made available to interested

government officials (federal, state, and local) subject to classification guidelines. All of the testing was conducted by DHS-designated operators.

"We have a pre-agreed scope of work with DHS so that means we develop the scenarios (for the testing) together," said **Dirk Schmidhofer** of the NNSA's Nevada Site Office.

The final step in the process is compiling all of the data into a report that will be made available to both DHS users as well as state and local users. Manufacturers will also be informed how well their PRD(s) performed. Test results and user feedback will be provided.

In This Issue

DHS conducts test of PRDs at the NTS	1
Nevada Intelligence Center earns award	1
NSO observes 9/11 with a ceremony	3
Krakatau receives safety award	3
Volunteer at the next Science Bowl	4
Back to school supply drive a success	4
ESH&Q rises to the challenge	5
To Your Health	6
Milestones	7
Calendar	8

Nevada Intelligence Center awarded for training program

On June 13, 2006, a team at the Department of Energy (DOE) Nevada Intelligence Center garnered a Distinguished Service Award for designing and operating a career development program as unique and targeted as its name.

(UNWTOP) is a one-of-a-kind course designed specifically for members of the Intelligence, Arms Control, Non-proliferation, and Defense Communities, introducing them to the testing and stockpile stewardship activities

The Underground Nuclear Testing Orientation Program

continued on page 2

UNWTOP Training continued from page 1



Richard Cohn (left) and **Travis Pullen** worked collaboratively to produce an award-winning training program.

conducted by the Department of Energy (DOE).

The distinguished award recognized the Nevada Intelligence Center specifically for the Career Development category and was bestowed by the Training Officers Conference (TOC) Executive Board. Launched in 1955, the award program encourages and supports both teams and individuals to contribute to the federal training community in a variety of areas.

"This course offers participants a rare opportunity, not only to network and develop relationships with people from the nuclear testing infrastructure, but with each other," explains **Travis Pullen**, Deputy Director of the Nevada Intelligence Center.

The training imparts a penetrating overview of the Nevada Test Site, including its history and relevance to modern issues of concern for the Intelligence Community; UNWTOP also allows students to receive briefings by subject matter experts and visit orientation areas such as former ground zeros, equipment yards, and nuclear test artifacts. In fact, students receive two full days of training directly at the Nevada Test Site, gathering at specific

areas of interest. Experts cover such diverse topic areas as the Comprehensive Test Ban Treaty, the history of nuclear weapons tests, and the U.S. Stockpile Stewardship Program. In fact, instructors pack a lot of information into sessions that can last up to 12 hours, but there's an ulterior motive to this hefty schedule of activities.

"We want to promote a free exchange of ideas between instructors and students," says **Richard Cohn**, Director of the Nevada Intelligence Center.

The course takes this free exchange even further, a feature that helped the program garner the Distinguished Service award.

"We designed the course with built-in self-corrective measures," explains Pullen. "We do 'after-action meetings' at the end of each course to go over the evaluations we receive from participants. Every section of the course is evaluated and this information is then shared with instructors and staff."

The UNWTOP training was first created in 1980 as an outreach from the Nevada Test Site (NTS) to the Intelligence community and also the DOE Weapons complex. The five-day course is now offered three times a year to professionals from more than 20 different agencies.

Indeed, the agencies run the gamut from the National Geospatial-Intelligence Agency to the national laboratories, the Defense Threat Reduction Agency, the Federal Bureau of Investigation, and the Department of Homeland Security. In addition, the British are also participating



A UNWTOP class poses at the formidable Sedan Crater.

through a cooperative agreement with the Joint Air Reconnaissance Intelligence Center.

More than 90 percent of participants submit evaluations, another significant testament to the highly popular and often overbooked course. In addition, this feedback is coming both from new intelligence employees as well as seasoned professionals. Because of the positive feedback of so many course participants, several intelligence organizations consider the UNWTOP as the necessary starting place to educate new employees in the critical areas of nuclear testing, proliferation, arms control, and current stockpile experiments.

Lieutenant Colonel Richard "Zman" Ziebarth, deputy director of the United States Air Force/Department of Energy Liaison Office, attended the UNWTOP course several years ago and said he was impressed "by the depth and breadth" of the material. He is a fighter pilot and has had some previous involvement with nuclear weapons.

"The weeklong course explored testing history and background while also delving into the intricacies of technical design basis," Ziebarth recalled. "The week culminates with a day at Nellis Air Force Base, where Soviet-era artifacts are on display and

speakers from multiple agencies brief the class on their organization and current events. All in all, it was well worth the five-day time investment and a course I highly recommend."

According to the TOC Executive Board, a nonprofit organization that represents federal trainers and professionals from industry and academe, the UNWTOP course has become a mainstay of training offered by DOE intelligence. In fact, it is designated for mandatory participation by employees from a wide range of intelligence organizations, whether they're new on the job or experts in their field. Novices use the course for overall orientation while seasoned employees seize an opportunity to interface with other subject matter specialists to gain in-depth knowledge in their respective fields of interest and expertise.

The Nevada Intelligence Center is a division of the U.S. Office of Intelligence and Counterintelligence. The center is tasked to keep the appropriate agencies apprised of the intelligence activities occurring at the Nevada Site Office and to provide oversight of intelligence-related activities to ensure they're compliant with federal law.

NSO observes 9/11 with its own ceremony

News Briefs

On Monday, Sept. 11, 2006, the Nevada Site Office conducted a special ceremony to honor the men and women who lost their lives five years earlier amidst the crisis of 9/11.

That morning at the Nevada Test Site (NTS), a procession featuring honor guards from NTS Fire & Rescue, Wackenhut Services, Inc., and Nye County, wound its way along a stretch of Mercury Highway, ending near the flagpole directly in front of Building 111. There, the honor guard passed the flag to a line of reservists, who then passed the flag to NTS Fire & Rescue members to be raised.



The raising of the flag was followed by a reading of "One" by **Cheryl Sawyer**. Next, a ceremonial ringing of the bell remembered the first responders who lost their lives on 9/11. The ceremony closed with a moving bagpipe rendition of "Amazing Grace."

*Top: Reservists who took part in the ceremony are as follows: Top row left to right: **Al Lind** and **Michelle Ross** (both NSTec) Bottom row left to right: **1st Sergeant Jim Brown**, **Mary O'Donnell (NSTec)**, **Mary Johnson (NSTec)**, and **James Walker Jr. (NSTec)**. Left: Honor guards provided a respectful presence at the 9/11 ceremony as they carried the flag and other symbolic items to honor their fallen comrades. Bottom: The ceremonial bell ringing was a poignant reminder of those who lost their lives on 9/11.*

Krakatau receives system safety award

The System Safety Award for Achievement in Scientific Research and Development was presented to the Joint U.S./U.K. Krakatau Subcritical Nuclear Experiment Team Aug. 3, 2006, at the International System Safety Conference Awards Banquet in Albuquerque, N.M.

The award cited the experiment's Documented Safety Analysis (DSA) and associated technical safety requirements, nuclear change control, and lessons-learned promulgation as key contributions to system safety.



***Martin Cole**, U.K. Team Leader for U.K Atomic weapons Establishment of the Ministry of Defence (left), and **Chuck Costa**, U.S. Krakatau Test Director, Los Alamos National Laboratory, receive the System Safety Society 2006 Scientific Research and Development Award.*

Test Director/Team Leader **Charles Costa** accepted the U.S. plaque. Costa attributed Krakatau's success to the keen

perseverance of multi-organizational teams dedicated to "safety first" experiment objectives, and building on

lessons learned. "During the planning phases of Krakatau, we considered more than 50 suggestions based on experience from the previous Kerinei confirmatory experiment," Costa said.

The subcritical experiment was named after the Krakatau volcano in the South Pacific. The experiment was unprecedented in terms of complexity and system safety challenge. In addition to the System Safety award, the Krakatau Team's scientific achievements have led to other award nominations, including one from the National Nuclear Security Administration.

Partnering for Education



Thanks to generous employees, this year's back-to-school supply drive, benefiting NSTec's Focus School partners, was another success. Employees generously donated much-needed school supplies to students at Kit Carson Elementary. Collections bins were loaded with backpacks, pens, pencils, crayons, markers, binders, scissors, paper and even a computer donated by **Deborah Davidson** and her son Jason.

NSTec Deputy General Manager **Mike Butchko**, along with employee **Fannie Bell**, helped to deliver and unload a variety of supplies to school administrators, who welcomed the delivery with open arms. "These supplies help us greatly in providing every student every thing they need to succeed this school year," said Linda Gibson, principal at Kit Carson.

Mike Butchko and employee Fannie Bell unload boxes filled with school supplies.

Volunteer at the 16th Annual Nevada Regional Science Bowl!



Can you believe it is already October? The 16th Annual Regional Science bowl is just four months away and we need volunteers!

Every year, 32 teams from high schools in Arizona, California, Nevada, and Utah come to Las Vegas to take part in the annual competition. And this year is no different. They will all pack up and make the familiar trek to Las Vegas to compete in the 16th Annual Nevada Regional Science Bowl, Feb. 9-10, 2007, at the University of Nevada, Las Vegas. The winning team will travel to Maryland to compete in the national competition.

Volunteers are needed on Saturday, Feb. 10, 2007, the day of the competition. Your donation of time can have a positive impact on the event, and the opportunity to see these kids in action can be a truly amazing experience.

"We at NSTec take great pride in the role we play in the day-to-day advances in science for the defense of our nation. And we are especially proud to be associated with this event and the excellence it celebrates," said **Steve Younger**, president and general manager of National Security Technologies, LLC.

Darwin Morgan, manager of the Office of Public Affairs for the U.S. Department of Energy's National Nuclear Security Administration Nevada Site Office, offered another perspective.

"The objective of Science Bowl is to promote and challenge high school students

to excel in math and in science. This will improve awareness of career options in science and technology, and provide an avenue of enrichment and reward for academic science achievement," explained Morgan.

Teams winning regional events compete at the National Science Bowl (NSB), which will be held April 26-30, 2007, in Chevy Chase, Maryland. The NSB is a highly publicized academic competition among teams of high school students who are quizzed on scientific topics in astronomy, biology, chemistry, earth science, general science, mathematics, and physics. Science Bowl promotes and challenges the nation's high school students to excel in math and science.

If you are interested in volunteering, please call the Regional Science Bowl Coordinator **Sharon Tutrone** at (702) 295-4376, or email her at tutrons@nv.doe.gov.

ESH&Q rises to the challenge of the new contract

National Security Technologies, LLC (NSTec) Environment, Safety, Health & Quality (ESH&Q) Division Manager **Gary Griess** is excited about the future of his division, especially with the new contract in place.

"I'm enjoying the contract start-up challenges immensely," explains Griess. "Integrating quality with environment, safety, and health ... every day provides new opportunities."

ESH&Q's commitment is to meet Department of Energy (DOE), Occupational Safety & Health Administration (OSHA) and Environmental Protection Agency (EPA) regulatory requirements and go beyond them with voluntary programs.

"ESH&Q is charting a course with the National Nuclear Security Administration (NNSA) that will bring these programs to the Nevada Site Office and will fulfill the expectation to provide innovative approaches," said Griess.

Examples of voluntary programs the division strives to achieve are Voluntary Protection Program (VPP) Star status within the DOE/OSHA Voluntary Protection Program. This status recognizes the very best-in-class safety and health programs across the country.

"VPP thrives on energy from leadership commitment and employee involvement at all levels of the organization," says Griess, who is in contact with Wackenhut Services Incorporated (WSI) to achieve VPP status and who is hopeful of WSI mentoring NSTec for this program.

Griess also appreciates working with key individuals like **Ken Hoar**, NNSA's Acting Deputy Assistant Manager for Safety Programs, who encourages ESH&Q to "keep on doing what you are doing and be proactive."

Being proactive means putting safety first, says Griess, but it also means getting the job done in a high quality and environmentally friendly way. He says that "operations, safety, quality, and the environment are not separable."

says Griess.

For example, the Integrated Safety Management Council (of which Griess is a member) provides an opportunity for the NNSA, the laboratories, and other NTS contractors to work together to devise and implement solutions to safety and health issues at the site.

The NSTec ESH&Q Division covers a wide range of geography and programs. Below is a sample of the division and the services that it provides.

Located on the Nevada Test Site:

- ESH&Q Support Services, managed by **Mitzi Sears**, provides administrative and technical support to the entire ESH&Q organization.
- Occupational Safety & Health, managed by **Jerry Ray**, includes safety and industrial hygiene.
- Radiological Control, managed by **Mark McMahon**, includes the health physicists, radiological control technicians, senior scientists, and monitoring of dosimeters across the test site.
- Environmental Services, managed by **Phyllis Radack**, focuses on site policies and compliance to federal regulations.
- Environmental Technical Services, managed by **Charles Lohrstorfer**, monitors protected species of flora and fauna at the NTS.

Located in the NSF, North Las Vegas:

- Quality Assurance, managed by **Mike Eshleman**, guides employees to make the right choices in the quality arena.

Located at the Desert Research Institute on Flamingo in Las Vegas:

- The Nuclear Testing Archives (NTA), managed by **Martha DeMarre** and NTA, collects and preserves historical documents, records, and data.

See the department on the intranet at <https://ntswb.nv.doe.gov/essh/default.htm>.

The following acronyms appear often 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 and Assessment Center
JASPER	Joint Actinide Shock Physics Experimental Research (gas gun)
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
R-MAD	Reactor Maintenance, Assembly, and Disassembly Facility
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 Inc. - Nevada

ESH&Q, on behalf of NSTec, is also committed to meeting world-wide recognized standards for the Quality Management System (QMS) and the Environmental Management System (EMS). These systems provide a highly organized approach to Quality and Environmental leadership.

ESH&Q is now working on DOE requirements, including meeting safety- and health-related deadlines set by Congress and also working with the NNSA to finish the QA Program documentation.

"Partnership with the Nevada Site Office is key to achieving our goals,"

What is cholesterol; do we need it?

First of all, cholesterol is a waxy substance and not a fat. Sometimes it is referred to as a lipid; however lipids include true fats like triglycerides as well as cholesterol and various other compounds containing proteins, phosphorus, and other chemicals.

Secondly, cholesterol is a necessary building block for vitamin D, hormones, as well as cell wall formation and bile salts that actually help us digest fat. But, too much cholesterol can lead to serious medical conditions like coronary heart disease and stroke.

What is the difference between HDL and LDL?

Transport of cholesterol throughout the body requires it to combine chemically with a protein. These transport proteins, combined with the cholesterol molecule, are called lipoproteins. The most important of the lipoproteins are the high-density lipoproteins (HDL) and the low-density lipoproteins (LDL).

HDL is sometimes called the "good cholesterol" because it actually carries cholesterol back to the liver for repackaging and eventual removal from the bloodstream. LDL is called the "bad cholesterol" because it promotes the development of fatty deposits within the walls of arteries. These plaques can build up over time and eventually clog the artery, decreasing the flow of blood. This



process is called atherosclerosis and if it develops in the coronary arteries it can lead to a heart attack. If arteries that supply blood to the brain are involved in the same manner, it may result in a stroke.

The major causes of high LDL (bad) cholesterol are excess body weight, diet, poor exercise habits, cigarette smoking, advancing age, and heredity.

What can you do about cholesterol?

In fact, smoking cessation, weight loss, and regular cardiovascular exercise can have benefits far beyond improving one's cholesterol profile. For example, weight loss and regular cardiovascular exercise will lower your statistical risk of developing diabetes, which is a major risk factor for premature heart disease and stroke. Losing just 10 percent of our body weight can result in tremendous health benefits, while exercising four days per week can actually elevate our HDL (good) cholesterol levels.

Cardiovascular exercise can include any activity that raises our pulse rate and maintains that rate for at least 30 minutes at a time. Our diet should limit cholesterol intake to less than 300 mg per day, with total fat intake 30 percent or less of our total daily calorie consumption.

Saturated fat should be less than 10 percent of our total daily caloric consumption. Sources of saturated fat include red meat, whole milk, butter, egg yolks, coconut oil, and others.

So how can you modify your diet?

- Eat a lot of fruits, vegetables, whole grains, legumes (beans), and fish.
- Avoid trans or saturated fats. Use olive oil or safflower oil.
- Include almonds, peanuts, walnuts, pecans, and fish such as salmon.
- If you eat meat, use lean cuts of red meat and poultry.
- Try to roast, broil, bake, boil, or steam your foods rather than fry them.
- Low-fat or non-fat milk is preferred over whole milk.
- Use low-fat yogurt, cheese, or cottage cheese.
- Eat less red meat and more beans, peas, lentils, or tofu.
- Instead of eggs, use egg whites or cholesterol-free substitutes.
- Vegetable oil or tub margarine is better than oils, shortening, or margarine.
- Eat carob rather than chocolate.
- Avoid commercially prepared baked goods that may contain trans fats.

For more information, go to: www.nhlbi.nih.gov/health/dci/Diseases/Hbc_All.html. Or, contact the NSTec Occupational Medicine Department at (702) 295-1473 (North Las Vegas) or (702) 295-6224 (Nevada Test Site) for advice and assistance.

In Memory

Deceased Employees

Henry Gwathmey

Deceased Former Employees

Arthur Simpson

Deceased Retirees

John Adams

Shirley Baker

George Crites

Buddy Hardy

Stanley Hendrickson

Helen Mutchler



October is **National Breast Cancer Awareness Month**. Since the program began in 1985, mammography rates have more than doubled for women age 50 and older and breast cancer deaths have declined.

"If all women age 40 and older took advantage of early detection methods - mammography plus clinical breast exam - breast cancer death rates would drop much further, up to 30 percent," says **Dr. Jeff Moon**, Occupational

Medicine Department, NSTec. "The key to mammography screening is that it be done routinely - once is not enough."

For more information, go to www.nbcam.org. For additional information, please call one of the following toll-free numbers: American Cancer Society, (800) 227-2345, National Cancer Institute (NCI), (800) 4-CANCER, Y-ME National Breast Cancer Organization, (800) 221-2141.

Milestones

Air Resources Laboratory/ Special Operations & Research Division

25 years Jim Sanders

20 years Rick Lantrip

Desert Research Institute

25 years Edward Hackett

15 years William Hartwell

10 years Matthew Bailey

Environmental Protection Agency

15 years Kuen Huang

National Security Technologies, LLC

40 years Leon Haskin, Robert Heiduk, Richard Schlueter, George Simmons

35 years Rogelio De La Paz

30 years Ronald Baker, Max Dolenc, William Hankins, Timothy Sammons

25 years Bill Coburn, Roger Pratt, Robert Thomas

20 years Shirley Brown, Felder McLaurin, Allan Muggli, Shirley Smith

15 years

Rose Denton, Bruce Hill, Debra Ochoa, Dale Owens, Richard Shellman, Raymond Sunday

10 years

Lloyd Desotell, Michael Hertrich, Judy Kallas, Ian McKenna, Stephan Weeks, Charles Zimmerman

5 years

Allen Clifford, Carol Champion, Wendy Fehler, George Kline, James Lujan, Charles Osen, Susan Roberts, Royce Stephen, Cynthia Schofield, Bryan Spicer, James Springgate, Sherril Stolworthy, Curt Wargo

National Nuclear Security Administration/NSO

5 years

Denise Ashurst

Ruckman Associates Inc.

5 years

Steve Smith

Wackenhut Services, Inc.

20 years

Darrell Baggs

New Hires

Vickie Baker, Jerry Bauman, Jay Britten, Mary Camp, Arlette Citron, Chris Coldiron, Ernest Davis, Michelle Folk, Pamela Halton, Patricia Harris, Jimmy Hershey, Charles Housewright, William Huffman, Kirsten Kellogg, Sharon Martin, Karen McCall, John Medina, David Morse, Lydia Mousseau, Brent Nordin, Alfred Ogurek, Phyllis Petrie, George Scott, Stephanie Spencer, Emmitt Todd, Manuel Torres, Mark Yonemoto

Face-to-Face

Name: Elaine McGlothen
Title: Senior Operations Specialist
Company: NSTec
Hometown: Cleveland, Ohio
Hobbies: Music - collecting, listening, and attending concerts



Elaine believes that her most significant contributions to the NSO was working on the start-up team for one of the DOE/NSA programs called the Federal Radiological Monitoring and Assessment Center (FRMAC), a consequence management asset which saved the company over \$400K in performance fees. What Elaine has learned that makes her better at what she does today as a project coordinator is to demonstrate trust and treat the customers the way you would want to be treated; this provides for a good, open, and honest relationship and keeps them coming back. If Elaine could have any job she wanted, she would be a homemaker with benefits. When asked if there was something about herself that most people wouldn't know, she responded, "If I revealed it, they would know it!"

Face-to-Face

Name: Andrew Zager
Title: Web Developer
Company: CNSI
Hometown: Las Vegas, Nev.
Hobbies: Photography, bowling, hiking, biking, gambling, watching NFL and college football



Andrew believes his most significant contributions to the Nevada Site Office include the design and structure of the NSO Internet website (www.nv.doe.gov) and the informational kiosk in the NSF lobby. What he has learned that has made him better at what he does today is adaptability. In the ever changing field of information technology, one must adapt to keep current on new technologies, software, and techniques. If Andrew could have any job, he would be a professional photographer or comedic actor. Something that most people wouldn't know about Andrew is that he owns a piece of the Berlin Wall.

SiteLines

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Calendar of Events

November 29

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

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 professional practices, environmental and geotechnical issues, structural issues; and prevention methodologies and education covered by 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. From building a special remote-controlled helicopter to be the "eyes" in the air for scientific research, to digging deep to uncover great archaeological finds, to looking for life on Mars, 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. DRI is located at 755 E. Flamingo Rd., Las Vegas 89119. For more information, call **(702) 862-5400.**

October 23-27

The American Society of Mechanical Engineers brings 18 years of experience, expertise, and unparalleled quality in bioprocessing seminars taught by industry experts.

Featuring in-depth lectures, case studies, and hands-on problem solving workshops, the annual *Bioprocess Technology Seminar* takes place at the Hyatt Regency Montreal in Montreal, Canada. This event offers 10 concurrent technical seminars covering a wide range of bioprocess topics, each presented by an influential lineup of industry experts. You can register online at <http://www.asmeconferences.org/bioprocess06/> or call the Customer Service Dept. at **(800) 843-2763.**

November 12-16

American Nuclear Society Winter Meeting and Nuclear Technology Expo -- "Ensuring the Future in Times of Change: Nonproliferation and Security," takes place in at the Albuquerque Convention Center, Hyatt Regency Albuquerque, and Doubletree Albuquerque. For more information, go to <http://www.ans.org/meetings/winter/>.

November 16

The National Contract Management Association is holding a seminar which will focus on participant to key contracting policies involved in the Federal contracting process. Topics to be presented include acquiring commercial items, competition in contracting, standards of conduct, and socioeconomic policies. You may register by phone toll-free at **(800) 775-7654.** Call Monday-Friday, 7 a.m. to 5 p.m. Central time.

November 16-17

Participate in the Air & Waste Management Association international specialty conference -- Integrated Control Strategies: Achieving a Greater Benefit. The conference will explore the latest efforts by the U.S. Environmental Protection Agency and the environmental community to develop cutting-edge integrated multi-pollutant policies, tools, and strategies that could forever change the nature of air quality management in the United States. The event takes place at the Sheraton Imperial Hotel & Casino in Durham, North Carolina. Please call **(919) 941-5050.**