

A publication for all members of the NNSA/NSO family

Gerald Talbot named new Nevada Site Office Manager

Rear Admiral **Gerald L. Talbot, Jr.** has been named as the new manager of the National Nuclear Security Administration's Nevada Site Office.

Upon his retirement, after serving 35-years in the United States Navy, Rear Admiral Talbot will assume his new position in January, 2007. He succeeds **Kathy A. Carlson**, who retired in May 2006.

Rear Admiral Talbot currently serves as the Director, Military Personnel Plans and Policy Division. In his current position, Rear Admiral Talbot leads the planning and execution for all U.S. Navy policies that governed the accession and career management of 360,000 officers and enlisted personnel and a \$25 billion budget.

Rear Admiral Talbot attended one year of nuclear training and commenced sea duty aboard the USS Silversides.

His other sea duty assignments have included; Weapons Officer, USS Sunfish; Chief Engineer, USS James K. Polk; Executive Officer, USS Aspro; Commanding Officer, USS Tautog; and Commander, Submarine Squadron Eight.

Rear Admiral Talbot has served in a number of important positions, including the following: as a special Assistant to the Director with the U.S. Department of Energy's Naval Reactors Program; in the Bureau of Naval Personnel as the Nuclear Enlisted Program Manager; as the Executive Assistant Chief of Naval Operations (Undersea Warfare), and as Deputy Secretary, Joint Staff.

Rear Admiral Talbot was also assigned as Director, Submarine/Nuclear Power Distribution Division and the Nuclear Propulsion Program Manager at the Bureau of Naval Personnel. Selected for Flag rank in April 1999, Admiral Talbot's first Flag

position was Director, Navy Staff. He next served as Commander Submarine Group Ten in June 2001.

Thomas D'Agostino, Deputy Director of Defense Programs, thanked **Jay Norman** for his service as Acting Nevada Site Office Manager since Carlson's May retirement. Norman is expected to assume a new position in Washington D.C. as Deputy for Site Operations Support in Defense Programs.



Rear Admiral Gerald L. Talbot, Jr.

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Livermore and Los Alamos join forces at the NTS

It's official: there is a new way of doing business at the Nevada Test Site (NTS).

By forming the Joint NTS Program Office (JNPO), Lawrence Livermore National Laboratory (LLNL) and Los Alamos National Laboratory (LANL) have agreed to align their programmatic work at NTS under one joint organization. A Memorandum of Understanding (MOU) sealed the deal.

Says **Robert Braddy**, the inaugural Joint NTS Program Leader: "It is increasingly important that the nuclear weapons complex identify and capitalize on opportunities to increase efficiency and reduce costs to the Nuclear Weapons Program."

Braddy's principal responsibility as Joint NTS Program Leader is to work with both nuclear design laboratories to

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understand and execute the joint program. To be the champion for the shared program work itself, his objective overview balances the labs' roles according to what is best for the shared program.

In addition, Braddy's role includes management of funds and matrixed staff from both laboratories. He also represents both labs as the senior resident point of contact for the new NTS M&O Contractor (NSTec) and the National Nuclear Security Administration's Nevada Site Office (NNSA/NSO).

The MOU, signed by the directors of both LANL and LLNL, captures the details of the agreement between the two nuclear design labs. Referring to the JNPO as the Joint NTS Nuclear Weapons Program and Operations office, the document sets forth the terms of the agreement. More important than the words on the page, however, is the excitement among those involved in making it happen.

LANL's **Chuck Costa**, Deputy Program Leader for Experiment Program and Project Execution, points to JNPO's desired paradigm. "The organizational structure, including work teams, will be mixtures of the right people from both labs. LLNL and LANL will be working together, and all work from both labs at NTS will flow through JNPO. Each lab's home organizations will be strongly involved, and we get stronger relationships not only with the home labs, but also with NSO, NNSA, and the M&O contractor," says Costa.

Says LLNL's **Rick Higgs**, Deputy Program Leader for Site Operations and Infrastructure Support: "NTS is the focal point of LLNL/LANL dynamic plutonium experiments. Combining our implementation efforts in the field, including nuclear facility operations and experiment execution, means higher productivity, better quality, and better performance."

Partial implementation of the JNPO model has already begun with the beginning of Phase 1 full implementation. Phase 2, not fully defined, occurs after the LLNL contract bid.

"We have challenges ahead," offers **Gordon MacLeod**, Deputy Program Leader responsible for overall Program Management. "However, the organization is coming together amazingly well. A key, near-term challenge will be funding personnel from one lab working on the other's activity, so we can truly integrate. We're confident we can overcome these challenges and focus on success."

There are many bright spots upon which to focus, as listed by Braddy. "First of all, we've done this before, both with facilities and experiments. The NTS track record is excellent, and we have senior Lab support, plus NSO and NSTec support. This is a part of the Laboratories Response to Complex Integration and NNSA 2030 vision of the U.S. nuclear weapons complex. Most importantly, we know this will both support existing and lead to new mission capabilities. We are creating a responsive organization for future work at NTS."



Management team of the newly established Joint NTS Program Office: Deputy Program Leader **Chuck Costa** (far right), Deputy Program Leader **Rick Higgs** (middle left), Deputy Program Leader **Gordon MacLeod** (far left), and Joint NTS Program Leader **Bob Braddy** (middle right).

Atomic Testing Museum looking for volunteers



"What is a nuclear test?"

"Why do people want weapons of mass destruction?"

"Why was Nevada chosen for the test site?"

It's time to put your Nevada Test Site knowledge to good use. The Atomic Testing Museum is looking for volunteer adult education specialists to lead school tours on Tuesday, Wednesday, Thursday, or Friday mornings.

"The museum's education program is growing by leaps and bounds," said Ellen Leigh, curator of education for the museum. "In June of 2005, we had 142 school field trip visitors, as compared to June of 2006 when we had 1,036 visitors. The only way to build on the success of this program is to get enough volunteers to keep it going."

You do not have to be an expert on the Nevada Test Site for this volunteer position – just have an interest in sharing a part of Nevada's history with school-age children. There is an established training program for all volunteers, and as a reward for your efforts, you get a behind-the-scenes tour of the museum not available to members of the general public. You also get to wear a white lab coat while conducting your tours!

Please help make a difference by sharing the history of the Nevada Test Site. While gaining valuable work experience, you will also put your academic skills to the test. If you are interested in becoming a volunteer adult education specialist or in any of the other volunteer positions at the Atomic Testing Museum, please call Rachel Warrick at (702) 794-5123 or Ellen Leigh at (702) 794-5118 or visit the museum's Web site at www.atomictestingmuseum.org.

Honoring America

The Story of the NTS Fire & Rescue Honor Guard

In March 2003, the Nevada Test Site (NTS) Fire & Rescue (F&R) team sought to establish its own Honor Guard.

They began with no equipment or formal training, but with the desire to honor America and their fellow firefighters and paramedics, both past and present. Ultimately, an honor guard of nine members was built, which includes engineer **Quentin Aukeman**, paramedic **Captain Larry Ayala**, **Captain Mike Flammini**, paramedic **Rhonda Foss**, engineer **Chris Hersh**, **Captain James Millan**, firefighter **Russ Owens**, Paramedic **Battalion Chief Ronnie Peters**, and **Captain David Young**.

The Honor Guard's membership is composed of both military veterans and individuals from civilian life, but all with significant fire and rescue experience at the NTS. They train as frequently as possible, and with assistance from other fire department honor guards in the Las Vegas area, have developed a written code of guidelines that helps them standardize operations.

The Honor Guard uses various pieces of special equipment to perform its duties. This special equipment consists of chromed fire axes, pike poles, ceremonial flags, and special uniforms that distinguish them as a special unit.

The Honor Guard has represented the NTS proudly in funeral ceremonies and processions, the Loney Building dedication in Mercury, opening ceremonies at the annual fire services conference, flag raisings at the Nevada Support Facility to mark special occasions, and recently by presenting the colors during the 9/11 commemoration held in Mercury.

"The formation of the honor guard was done entirely on a voluntary basis," says **John Gamby**, Deputy Chief of Operations for NTS F&R. "The activities performed by the NTS Fire & Rescue Honor Guard add a level of professionalism, formality, dedication, and symbolism consistent with large municipal fire departments and also reflects positively on National Security Technologies and the National Nuclear Security Administration."



The NTS Fire & Rescue Honor Guard presents the colors during a September 11 remembrance ceremony at the Nevada Site Office.

NNSA to solicit public comment on proposed Complex 2030 EIS

Complex 2030's goal is to achieve President Bush's vision of the smallest stockpile consistent with our national security needs. It also refers to the configuration of the nuclear weapons complex that NNSA envisions by the year 2030, which includes significant dismantling of retired warheads, consolidating special nuclear materials, eliminating duplicative capabilities, and establishing a consolidated plutonium center.

In order to further define the Environmental Impact Statement (EIS) and identify key issues, NNSA is requesting public comment. The comment period will continue through Jan. 18, 2007. Public comments will be accepted in writing or at one of the 17 meetings that NNSA will be hosting in the local communities surrounding each site in the nuclear weapons complex and in Washington, D.C. The Notice of Intent includes additional public comment information and a complete list of the meetings including dates, times and locations.

Scoping meeting scheduled in Nevada:

Las Vegas, Nevada, Cashman Center, 850 Las Vegas Blvd. North
Tuesday, Nov. 28, 2006.
11 a.m. to 3 p.m. and 6 p.m. to 10 p.m.

Tonopah, Nevada, Tonopah Convention Center, 301 Brougner Avenue.
Wednesday, Nov. 29, 2006
6 p.m. to 10 p.m.

Go to http://www.nnsa.doe.gov/docs/newsreleases/2006/Complex_2030_NOI_10-19-06.pdf for more information.

NNSA helps to uncover the elusive "Holy Grail" of birds

The ivory-billed woodpecker is considered a kind of "Holy Grail" for ornithologists because it is a highly sought after object of interest.

In fact, the bird is thought to be extinct and is the third largest woodpecker in the world. Recently, it was believed to have been spotted in the Big Woods region of eastern Arkansas. The National Nuclear Security Administration (NNSA) has joined in to help search for this elusive bird.

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Nevada Site Office pilots, working with National Aeronautics and Space Administration (NASA) scientists, flew the NNSA B-200 Super King Air in June 2006 over the Big Woods area of the Mississippi Delta to learn more about the woodpecker's potential habitat.

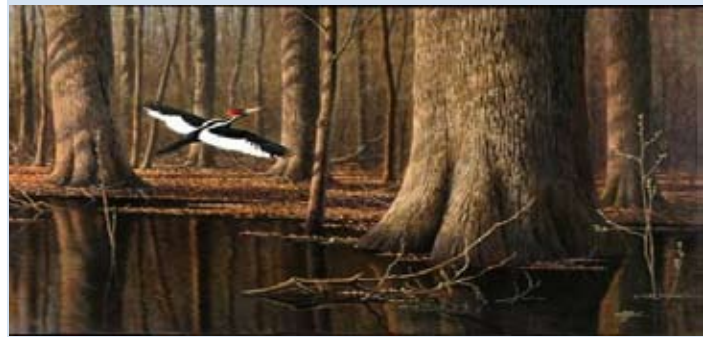
Scientists from NASA's Goddard Space Flight Center and the University of Maryland mounted a special laser on the aircraft. The laser sent pulses of energy toward the earth. Light particles from the laser bounced off leaves, branches, and the ground back to the sensor.

Multiple products from the data collected (i.e., topography, mean vegetation canopy height, entropy, etc.) can be examined to give project scientists detailed information about the elusive bird's habitat on the ground. Ivory-billed woodpecker hunters now will have a much keener understanding of the environment where these birds may live, if in fact they exist.

Seven NSTec pilots from the NNSA's Remote Sensing Laboratories (RSL) at Nellis and Andrews flew the missions for the scientists. **Don Smith** was one of those pilots, "It's a neat thing to be a part of. We are always working in the here and now. It is nice to be working on something from the past," said Smith.

Pilots flew over more than 5,000 square kilometers of vegetated flood plain at the White River National Wildlife Refuge. The mission involved flying a predetermined set of parallel lines up to 90-miles in length flown in the early hours of midnight to 5 a.m. to better increase the efficiency and return of the bounced laser signal.

Pilots involved in the mission were Smith, **Sue Roberts**, **Gary Butler** and **Dallin Wrigley**. Additional pilots were **Rick Fischer**, **Chuck Lightfoot**, and **Shawn Cadwell**.



The NNSA has joined in the search for the elusive ivory-billed woodpecker.

WSI graduates new Protective Force members

Be sure to say "hello" to the newest members of the Wackenhut Services, Inc. family. That's because 29 security police offices joined the WSI Protective Force ranks when they graduated from Basic Security Police Officer Training on October 13.

Guest speakers included **Dr. Jay Norman**, acting manager of the National Nuclear Security Administration Nevada Site Office; **Raeferd L. Phifer**, NNSA's Office of Safeguards and Security; **Mike Ebert**, WSI General Manager and **Troy Wade**, chairman of the Nevada Alliance for Defense, Energy & Business; and the Nevada Test Site (NTS) Historical Foundation.

Dr. Norman and Wade praised the students for their decision to become an integral part of the Nevada Site Office's security protective forces, who are entrusted with the responsibility of protecting the nation's most vital assets, such as special nuclear material, critical infrastructure, and personnel.

"You have the hardest job on the complex," said Norman. "Your biggest challenge is the 'friend or foe' decision you make when someone comes up to you. It's a split second decision; you really have to be alert. You have a huge responsibility and we thank you for all you do."

During the ceremony both the students and their families were commended on their sacrifices and tireless efforts during the mentally and physically challenging 10-week course.

WSI is responsible for providing all security-related work at the NTS and for NSO-operated facilities in North Las Vegas and Nellis Air Force Base. This includes facility protection, patrol services, and protection of nuclear materials associated with the national stockpile experiments conducted at the NTS.



Dr. Jay Norman congratulates a new WSI graduate.

Please see page 5 for a list of WSI Graduates

WSI Graduates

C. Bartel
 M. Boyd
 R. Broderick
 E. Cazares
 F. Ciballo, Jr.
 N. Cowley
 R. Dillon
 D. Douthwright
 M. Evans
 A. Fischetti
 K. Freed
 D. Hernandez
 C. Hummel
 J. La Rosa
 J. Little
 R. Martinez
 M. Nicholas
 S. Nougust
 E. Pena
 K. Razeeq
 J. Reveal
 J. Rimando
 D. Rivera
 K. Rochester
 J. Smith
 C. Sparks
 T. Stouffer
 S. Yudin
 J. Zamzow

Social Center at the NTS taking shape...

All work and no play can make for some dull and tedious days. To remedy this situation, portions of the Mercury Cafeteria (main dining room and two smaller rooms) at the Nevada Test Site (NTS) are being partially remodeled to meet the needs of the many customers of the NTS.

The remodeled area will become the NTS Social Center, which will provide an oasis in the desert to eat, play cards or board games, play pool or ping-pong, watch TV, or just socialize in a comfortable setting. This project is expected to be complete early in 2007.

Future plans for the social center include the following:

- Internet Café
- Additional flat screen TVs across the entire sitting and dining area
- Upgraded audio system

In upcoming issue of Sitalines:

- Capstone Training drill
- Defense Awards Program Cermony
- The New NTS
- History of Cane Spring
- C4VAS software at the NTS
- Radioactive material handling at the NTS
- ISM Council
- Update on energy conservation initiative

Face-to-Face

Name: Matthew Becker
Company: Wackenhut Services, Inc. (WSI)
Title: Captain Protective Forces
Hometown: Point Pleasant, N.J.
Hobbies: Spending quality time with his wife and 6-year-old daughter.



Matthew believes his most significant contribution to WSI thus far is his ability to produce quality work and problem solve in many different areas and aspects of the ever changing security mission. Also, he is flexible and open to suggestions to improve operations. Something that he has learned that makes him better at what he does today is to treat people with respect and strive to excel in all areas of his career field. If he could have any job he wanted, he would be where he is now. He was recently promoted to captain and is very happy in his position. Something about Matthew most people wouldn't know is that as a junior in high school, he won the state championship in the high jump, setting a new school record at six feet, seven-and-a-half inches.

Beyond... the call

Area 5 RWMC recognized for excellent safety performance

On Thursday, Sept. 28, 2006, the Area 5 Radioactive Waste Management Complex (RWMC) held a barbecue to recognize their safety performance and achievement of several milestones.

During Fiscal Year 2006, the Low Level Waste (LLW) Project at the RWMC received 1,112 shipments consisting of 7,500 waste packages and a total volume of 1.2 million cubic feet with zero accidents. The LLW Project has worked a total of 278,671 hours without a lost time accident and hasn't had a lost time accident since Aug. 3, 2004.

The Transuranic (TRU) Waste Project at the RWMC was also recognized for successfully completing the category downgrade from a Hazard Category 3 Nuclear Facility to a Less Than Hazard Category 3 "Radiological Facility." In addition, project personnel disconnected and removed the Visual Examination and Repackaging Building's glove box from the Secondary Confinement Structure ahead of schedule, also with zero accidents. In fact, the TRU Project has never had a lost time accident during the entire 10 year life of the project and the last recordable was in 1998.

The glove box removal planning started in July 2006 and involved personnel from several disciplines on the NTS, including engineering, sheet metal workers, wiremen and electricians, sprinkler fitters, refrigeration technicians, iron workers, fire alarm technicians, operating engineers, laborers, radiological control, industrial hygiene, work management, craft superintendents, nuclear engineering, and RWMC Operations personnel. To ensure the project was completed without a hitch,

the engineering disciplines coordinated closely with their craft counterparts and with Work Management during the planning phase.

The barbeque was hosted by **John Ciucci**, NSTec's Director of Environmental Management, and attended by the RWMC personnel and by the engineering and craft personnel who were instrumental in planning and conducting the successful removal of the VERB Glove Box.

Future plans for the RWMC include repackaging 58 TRU waste boxes currently stored in the TRU Pad Cover Building and constructing new disposal cells for the LLW project to accept new waste streams.



Frank DiSanza (NNSA, left) thanking construction laborer **Kerry Kackman** for his contribution to the success of the RWMC.

Good Samaritan goes beyond the call of duty

Recently, **Kathryn Skelley-Bird**, a senior auditor for NSTec, left the Nevada Test Site around 2 p.m. one afternoon in order to arrive on time for a meeting taking place at the Nevada Support Facility in Las Vegas. It was her first meeting with new management and she wanted to make a good impression.

However, about one mile south of Indian Springs, she suffered a flat tire. She quickly called a roadside service, but knew that there would be a very good chance she would miss the meeting due to a lengthy response time from the company. Within minutes, the answer to her predicament appeared. **Lynn Karr** from DRI spotted Kathryn from the road, stopped his truck, and promptly proceeded to change her tire.

"It was very hot out and we had a few challenges that made his

task harder, but Mr. Karr got the tire changed and I was back on the road probably before the towing service would have even arrived," said Skelley-Bird.

Because Karr stopped, she made it back to town in time for her important meeting.

"I even had time to run a brush through my wind-tangled hair," commented Skelley-Bird. "I'd like to publicly acknowledge Mr. Karr for being a Good Samaritan. His kindness is very much appreciated."



Lynn Karr

Partnering for Education



WSI reaches out to the local community

Over the last 10 years Wackenhut Services, Inc., (WSI) has forged an outstanding relationship with Quannah McCall Elementary School, categorized by Clark County as an inner city, at-risk school.

Consequently, many of the children who attend Quannah McCall qualify and receive either a free or reduced lunch. Since their families are busy meeting the basic necessities of food, clothing, and shelter, school supplies may fall lower on the priority list.

Therefore, WSI employees again rallied to purchase much-needed supplies for the start of the 2006-2007 school year. So many in fact, that a van was filled to capacity and driven to the school where the staff gratefully awaited the arrival of the donated school supplies.

As the holidays approach, employees are again joining forces to help parents provide their children a complete holiday meal, prepared by the family in their own home, to enjoy together while celebrating Thanksgiving.

The relationship with the staff and students of Quannah McCall continues to be fostered through participation in these and other programs, including Nevada Reading Week and donating desert plants for the children's garden.

Because of WSI's continued commitment to supporting the local community in which it does business, the School-Community Partnership Program Shining Star award was presented to **Graig Newell** and **Patrice Ross**, who represented WSI at the Focus School Project Kick-Off Breakfast on Sept. 15. The award commemorates 10 years of WSI program participation, and although WSI is honored to have received this award, **Candace Dahlstedt** of the Finance Department said it best, "It is far more rewarding to me to know that perhaps, I made a difference to a child, their education and their future."



WSI employees (from left to right) **Patrice Ross**, **Scott Damron**, **Candace Dahlstedt**, **Teo Delgado** and **Katie Reynolds** discuss the school supplies drive for Quannah McCall.

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 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

Industrial sites going remote on the Tonopah Test Range

For the safety of workers surveying and characterizing contaminated locations at the Tonopah Test Range (TTR), the Industrial Sites Sub-Project has decided to use a remote control vehicle.

The vehicle, called Towbot, looks like a farm combine tractor which has been outfitted with a Sodium Iodide Array to detect radioactive contamination. The vehicle also tows geophysical instrumentation, which detects unexploded ordnance (UXO) from historic weapons testing.

Towbot is controlled remotely by a technician who inputs coordinates via a computer, which directs Towbot's location. A large antenna mounted on Towbot's roof receives the imputed data and maneuvers Towbot in a transect pattern* (see box below) over the designated area. Front- and rear-mounted cameras allow the operator to visually confirm Towbot's path. Safely back at base, the operator can manually drive Towbot using a joystick to avoid any obstacles.

"In the past, conducting geophysical and radiological surveys on the dry lake beds at the TTR meant using a manned vehicle carrying and towing the required equipment," explained **Kevin Cabble**, Industrial Sites Federal Sub-Project director. "That

A worker-driven vehicle equipped with a KIWI Sodium Iodide Array towed the EM-61 Geophysical instrumentation, which surveyed the area.



practice came to an end when safety for the vehicle driver became an issue due to the possibility of UXO in some sections of the lake bed."

The Towbot came to the Nevada Site Office by way of Zapata Engineering, one of three companies who bid on the project. After extensive technical reviews by the Nevada Site Office, the decision was made that the Towbot and Zapata were a good fit. When asked why Towbot was chosen, Cabble explained, "Based on Towbot's remote control capabilities and the fact that Zapata Engineering had previous experience working in UXO situations, it seemed like a perfect fit."

The Towbot will be busy at the TTR this fall as the task is scheduled to be complete by the end of October 2006. For more information on the Industrial Site Sub-Project visit http://www.nv.doe.gov/library/factsheets/DOENV_933.pdf or http://www.nv.doe.gov/library/factsheets/DOENV_936.pdf



Currently, the NSO uses a remote controlled vehicle called Towbot, equipped with a KIWI Sodium Iodide Array, which tows the EM-61 Geophysical instrumentation.

In 1956, the Atomic Energy Commission, predecessor to the U. S. Department of Energy (DOE), began testing weapons, research rockets, and artillery on the TTR. As a result of these tests, contaminants were introduced to parts of the range. Some of the contaminants of concern include UXO and heavy metals, like Depleted Uranium.

* A **transect** is a path along which one records and/or counts occurrences of the phenomenon of study. In this case they are looking for radioactive contamination and geophysical anomalies.

It requires an observer to move along a fixed path and to count occurrences along the path while simultaneously obtaining the distance of the object from the path. This results in an estimate of the way in which detectability drops off from probability 1 to 0 as one moves away from the path. Using these two figures one can arrive at an estimate of the actual density of objects

Lessons Learned: doing it right vs. doing it right now

Excerpted from an article by John Mapp, Safety Specialist with the Naval Safety Center

Let us walk through the aftermath of a mishap. The details of the mishap don't matter much—any mishap at all will do.

First, the victim of the mishap will need to be treated for his or her injuries. This could be as simple as basic first aid from your area or as complex as a massive Nevada Test Site Fire and Rescue (Emergency Services and Operations Support/Fire Department) presence in your work space.

A question to ask: How much work is getting done while everyone is dealing with the aftermath of the mishap?

The victim might need to go to Occupational Medicine (OccMed). Even if he/she is able to get there under his or her own power, you've lost that worker for a considerable part of the day. If it requires an employee to help the victim to OccMed, there's more time lost. This doesn't even take into account everybody watching the entire process and then discussing it at length or until the victim returns.

Next, your organization's safety professional will have to stop normal routines to begin the process of investigating the mishap. He or she will have to interview witnesses, examine, photograph, and/or clean up the scene, and act as the liaison with the safety office. There's more time out of your work schedule.

The paperwork part of the mishap investigation will also take several people—including safety professionals, the Nevada Test Site duty manager, and the supervisor/manager—away from their regular work for the length of time it takes to properly fill out the reports. Then, all of these individuals (including the victim) will have to explain the incident and why it happened to even higher levels of management, up to and possibly including the general manager.

The mishap could trigger investigations by multiple agencies

Depending on the level of the incident, there may be an investigation by the Environment, Safety, Health, and Quality (ESH&Q) and possibly a separate investigation by the National Nuclear Security Administration Nevada Site Office. (NNSA/NSO) Each investigation will involve fact-findings/critiques, causal analysis, corrective actions, lessons learned, training records, maintenance records (if it involved equipment), interviewing witnesses, safety professionals, supervisors, and the victim. All of those people will be unavailable for their normal jobs while they are being interviewed and writing reports. Lastly, there is the post-mishap training. Generally, the entire work group will have to suspend work while a safety meeting is held on the mishap, including what caused it, what contributed to it, and how to prevent it from happening again. Occasionally, the entire company will have a "safety stand-down" so the details of the mishap are explained. Assuming you survived the injury/

mishap, the outcome of this could range from a "slap on the wrist" to termination for a deliberate safety violation. The few minutes it takes to use personal protective equipment, follow precautions, or even to simply slow down and do it right instead of right now is a far better use of company time than dealing with the aftermath of a mishap.

A philosophy of "Can Do It Right" goes a long way

Ken Hoar, Acting Deputy Assistant Manager for Safety Programs for the NNSA, sums it up this way:

"The NSO and our enterprise of contractors have had a proud history of accomplishing complex and near impossible tasks. This 'Can Do' culture has been instrumental in many missions' successes. However this 'Can Do - Right Now' culture has led to many accidents/incidents as documented in the Lessons Learned Program."

Hoar believes that the NSO must harvest past successes and develop a "Can Do It Right" culture which will help prevent repeat occurrences of the same or similar incidents. Everyone in the federal and contractor workforce needs to internalize, adopt, and practice this philosophy of "Can Do It Right," which should ultimately lead to a culture of "Can Do It Right All of the Time."

Face-to-Face

Name: James Scherr
Company: NSTec
Title: Information Technology Support Staff
Hometown: Cheyenne, Wyo.
Hobbies: Target shooting, bowling, listening to classic rock music, bicycling, and home remodeling.



James believes that his most significant contribution to the Nevada Site Office has been his support of the UNIX/LINUX infrastructure for the NSTec Oracle Business systems. What he has learned that makes him better at what he does today is that in the I.T. world, the technology is always changing. He strives to remain current with the ever changing technology. If he could have any job, he would like to design and build high tech energy efficient houses. Something about James that most people wouldn't know is that he likes to cook!

The Centers for Disease Control reported that there are now at least 20.8 million Americans with diabetes, a 14 percent increase from the 18.2 million reported in 2003. According to the American Diabetes Association, 6.2 million diabetics are unaware that they have the condition.

Major Types of Diabetes

Type 1 diabetes. Results from the body's failure to produce any insulin at all. Insulin is a hormone required to get glucose into the body's cells for energy. About 5 to 10 percent of all diabetes is type 1.

Type 2 diabetes. Results from insulin resistance. The body is unable to properly use the insulin produced by the pancreas. Most Americans have Type 2 diabetes.

Gestational diabetes. About 4 percent of all pregnant women develop this form of diabetes while they are pregnant.

Pre-diabetes. This condition occurs when a person's blood glucose levels are higher than normal but not high enough for a diagnosis of Type 2 diabetes. Almost all Type 2 diabetes is preceded by the development of pre-diabetes.

What are the complications of diabetes?

- Significantly increased risk for **heart disease and stroke**, which accounts for about 65 percent of deaths in people with diabetes.
- Diabetes is the number one cause of **kidney failure** requiring dialysis.
- Diabetic retinopathy causes 12,000 to 24,000 new cases of **blindness** each year.
- About 73 percent of adult diabetics have **hypertension**.

...To your health...

- Over 60 percent of non-traumatic **amputations** occur in people with diabetes.
- About 60 to 70 percent of people with diabetes have some form of **nervous system damage**. This would include impaired sensation or pain in the hands or feet, altered stomach digestion, carpal tunnel syndrome, and nerve problems.
- **Periodontal (gum) disease** is twice as common in diabetics.
- Increased **sexual dysfunction** occurs in both women and men with diabetes.
- Poorly controlled diabetes before conception and in the first trimester of pregnancy can cause major **birth defects** in 5 to 10 percent of pregnancies and **spontaneous abortions** in 15 to 20 percent.

Who is at risk of developing diabetes?

- Overweight individuals
- Positive family history
- Physically inactive persons
- Pre-diabetics
- All Americans but especially Native American/American Indians, African Americans, Hispanic and Latino children, and adolescents.

Can we prevent diabetes?

Lifestyle changes in diet and exercise and losing even a little weight can prevent or delay Type 2 diabetes, if you are at high risk.

- **Weight loss**
Obesity is the single most important risk factor for Type 2 diabetes. Losing just 5 to 10 percent of your

body weight can reduce your risk of diabetes.

• Exercise

Exercise improves insulin sensitivity, allowing the cells of your body to better use its own insulin. Research shows that taking a brisk 30-minute walk every day can decrease a person's risk of developing diabetes, regardless of their weight.

What is the best diet to follow for diabetes?

Variety of foods

Avoid foods with excessive fat, calories, and cholesterol. Instead, eat a variety of foods from the major groups, including fruits, vegetables, whole grains, and dairy products.

High fiber, low animal fats and low refined starches and sugars

A healthy diet is high in fiber and low in animal fat, but also low in refined starches and sugars. You must watch your portion size as well and practice moderation.

Colorful fruits and vegetables

In other studies, people who consumed a lot of red, yellow, and orange fruits and vegetables (containing beta-carotene) were less likely to develop Type 2 diabetes.

Following a healthy and active lifestyle is the key to lower your risk of developing diabetes. If you need support to make healthy changes, seek professional guidance, such as the services of a registered dietician. You may also visit the American Diabetes Association Web site for more information at <http://www.diabetes.org/home.jsp>. Please contact the NSTec Occupational Health Medicine Department at (702) 295-6224 (NTS) or (702) 205-1473 (NLV) with questions.

Milestones

Air Resources Laboratory/ Special Operations & Research Division

20 years Karen Balecha

Desert Research Institute

10 years Roger Kreidberg

Environmental Protection Agency

15 years Paul Weeden

Los Alamos National Laboratory

5 years Donald Bourcier, Morgan LaVelle,
Edmond Shivers

National Nuclear Security Administration

35 years Michael Kiley

30 years Michael Skougard

25 years Kevin Thornton

15 years Linda Cohn

National Security Technologies, LLC

45 years Charles Wright

40 years Kenneth Alvey

30 years Freya Hays, Shirley McIntosh, Renee Rowe,
Ted Turney,

25 years Margaret Barba, Robert Caccavale, Charles
Rose, M. K. Schwartzwalter, James Veater

20 years Gary Butler, Paulette Connelly, John Fisk,
Yun Ko Lee, Shawn Muehlbauer, Glen
Tanner, William Turley, Wendy Zaremski

15 years Earl Blake, Curtis Bryant, Michael Floyd,
Dodie Haworth, Cynthia Knaper, John
Nelson, Martin Reynolds

5 years Bruce Ayer, Abad Bautista, Douglas Clark,
Scott Gabriel, Donald Kernea, Dawn Leo,
Charles Lightfoot, Luc Murphy, Craig Power,
John Todd, Robert Vogel, David Wilburn

Ruckman Associates Inc.

5 years Kim Danner

Team CNSI

10 years Kennard Newsome

Wackenhut Services, Inc

5 years Maverick Cramer

New Hires

Debra Abbey, Darrell Bird, Brian Brown, Michelle Cattlett,
Quang Duong, Dale Durham, George Harper Jr., Kristi
Hodges, Mansie Iyer, Craig James, Nathan Joseph, Shawn
Kessel, Henry Lowery, Morgan McLean, Nicholas Meacham,
Dennis O'Connor, Susie Pak, Brent Park, James Patchell,
Marcene Raymer, Felicidad Reyes, Dino Robinson, Linda
Simons, Ralph Smith, William Tisdale, Robert Vaught,
Lorenzo Wong

In Memory

Hilda Cleveland

Joseph Gatti Sr.

Mary A. Harper

George Kaneshiro

Robert Morse

Richard Okelberry

Robert Rider

Retirees

Rogelio De La Paz, NSTec

Willie Harris, WSI

Robert Sisterman, WSI



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Calendar of Events

November 10

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

November 23

NNSA/NSO and contractor offices closed in observance of Thanksgiving.

January 18

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, NSTec, at (702) 295-0944.**

November 5-10

American Society of Mechanical Engineers (ASME) presents the ASME International Mechanical Engineering Exposition and Congress. David A. Vise, a Pulitzer Prize-winning reporter for The Washington Post, and author of four books, will be the keynote speaker at the 2006 ASME International Mechanical Engineering Congress and Exposition to be held at the Hilton Chicago. For more information, go to <http://www.asme.org/>.

November 12-15

The International Association of Emergency Managers is holding the 54th annual conference & EMEX 2006 – Going All the Way: Putting Plans into Action in Orlando, Florida. This conference applies to emergency managers, homeland security officials, first response coordinators, private industry security, safety and risk managers, and contingency planners. Interested persons may register online at www.iaem.com.

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. Additional

topical meetings include: 17th Topical Meeting on the Technology of Fusion Energy and the 5th International Topical Meeting on Nuclear Plant Instrumentation, Controls, and Human Machine Interface Technology. 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 through 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. As a forum for environmental professionals, 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 in Durham, N.C. Call (919) 941-5050 for more information.

December 4-5

The National Contract Management Association presents a conference 21st Century Federal Contract Management: Challenges and Opportunities, at the Sheraton Premiere at Tysons Corner Vienna, Va. Led by industry experts, this conference offers ideas and information about developing a blended workforce, workforce planning, and other recruitment and retention issues; and inter-agency contracting. You will also get practical advice on GSA compliance and best practices, extending procurement automation to the requirements community, export controls, and services contracting. Go to <http://www.ncmahq.org/meetings/GCC06/> for registration information.