

## Happy Holidays to our NSO family NNSA conducts public meetings on Complex 2030



In November, the National Nuclear Security Administration (NNSA) conducted two public meetings in Nevada as part of the preparation of the *Supplement to the Stockpile Stewardship and Management Programmatic Environmental Impact Statement – Complex 2030*.

The first meeting on Nov. 28 at Cashman Center in Las Vegas observed an “open-house” format, allowing the public to view information displays, ask questions of subject matter experts, and provide comments in writing or to a stenographer. About 30 people expressed opinions about potential increased work activity at the Nevada Test Site (NTS).

The second public meeting was held November 29 in Tonopah at the Tonopah Convention

Center and was attended by about 60 people concerned with one of the Complex 2030 proposed alternatives to relocate a portion of work from the Tonopah Test Range to another Department of Defense or Department of Energy site. Attendance at the Tonopah



meeting was “the best turnout of the meetings conducted so far,” noted Ted Wyka, NNSA Complex 2030 Document Manager. Attendees provided written and oral comments identifying their reservations about proposed changes in Complex 2030.

Public meetings were conducted in 12 locations

nationally from October through December 2006 to solicit comments from the public on the feasibility and desire for activities proposed in the *Supplement to the Stockpile Stewardship and Management Programmatic Environmental Impact Statement – Complex 2030*. A draft supplemental Programmatic Environmental Impact Statement (PEIS) will be published in Summer 2007 with public hearings to follow. The final PEIS is expected in Spring 2008 with a Record of Decision expected in Fall 2008.

The public is invited to comment on the scope of the Complex 2030 EIS through Jan. 17, 2006, and scoping comments received after this date will be considered “to the extent practicable.” For additional information or to submit a comment regarding Complex 2030, click on [www.Complex2030PEIS.com](http://www.Complex2030PEIS.com).



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### What does Complex 2030 mean for NTS and its employees

**N**NNSA's **Complex 2030** is an infrastructure planning scenario that refers to the configuration of the nuclear weapons complex that NNSA envisions by the year 2030.

The plan includes significant dismantling of retired warheads, consolidating special nuclear materials, eliminating duplicative capabilities, establishing a consolidated plutonium center, and implementing more efficient and uniform business practices throughout the complex.

What role could the NTS play as Complex 2030 comes to realization?

In a document published by NNSA prior to the start of the public meetings, the following alternatives were identified to continue the transformation of NNSA's nuclear weapons complex:

- Select a site to construct and operate a consolidated plutonium center for long-term research and development, surveillance, and manufacturing

## The New Test Site: How will it fit into Complex 2030?

**Y**ou may have heard about it already – it’s called the New Test Site – and it’s an innovative way of doing business that will assist the NNSA Nevada Site Office (NSO) to achieve its vision for Complex 2030.

“To transition the Test Site to align with Complex 2030, NSTec, working with the Department of Energy, will institute a number of transformations that will help bring the integrated solutions to the table that the NNSA needs to achieve its goals,” said **Jim Holt**, Director, Defense Experimentation and Stockpile Stewardship for National Security Technologies, Inc. (NSTec).

The elements of the New Test Site, which will begin to take shape in 2007, include the following:

- The NTS will begin to transition its major requirements in order to plan for 2007. This will include putting data return as a deliverable in contracts, so that we succeed only when the laboratories succeed.
- Major science facilities – including the Joint Actinide Shock Physics Experimental Research (JASPER) at the NTS – will be planned as national shared user facilities.
- The NTS will institute one set of safety requirements for all users, which will reduce costs by simplifying interactions among users.
- The NTS will pursue additional work for others to complement NNSA missions. This will include additional work at the Radiological/Nuclear Countermeasures Test and Evaluation Complex (RadNucCTEC) to evaluate the

performance of radiation detection equipment; enhanced training opportunities for the Department of Defense, the Department of Homeland Security, and local emergency responders, as well as additional work for the intelligence community.

- Large scale hydrodynamic testing capability is expected to transition to the NTS. NSTec will begin planning in '07 for a radiographic capability that will allow hydrotesting at the NTS that will provide three-dimensional imagery of hydrodynamic behavior. This will reduce costs by consolidating this kind of testing —which uses high explosives to compress surrogate plutonium material —at one facility. Hydro testing is part of the certification process to ensure the reliability of the nuclear stockpile.
- Although Complex 2030 aims to transform the nuclear stockpile without resuming underground nuclear testing, the capability to conduct underground tests at the NTS will be sustained.

“We are trying to develop a modern capability with the NTS that will support the needs of our customers today and into the future,” explained Holt. “This means reducing redundancy and putting the right facilities at appropriate sites. As a national user facility, the NTS will be used optimally to help defend our country.”

*The New Test Site will be explored in more detail in upcoming issues of SiteLines.*

## Defense Programs Awards of Excellence

**T**he National Nuclear Security Administration (NNSA) presented its FY2005 Defense Programs Awards of Excellence on Oct. 24, 2006, at the Nevada Site Office (NSO). The awards are presented for significant contributions to the NNSA Stockpile Stewardship Program. Twenty-seven teams, comprised of federal and contractor staff, as well as four individuals, were recognized for their accomplishments.

“The achievements you made as an individual or as a team are what make the Stockpile Stewardship Program so successful,” said **Martin J. Schoenbauer**, NNSA Principal Assistant Deputy Administrator for Operations. “NNSA is very proud of the work done here in Nevada.”

Teams recognized with Awards of Excellence include:

### NNSA/NSO

Device Assembly Facility (DAF) Nuclear Facility Startup Team

### Bechtel Nevada/National Security Technologies, LLC

Atlas Operations

Joint Actinide Shock Physics Experimental Research (JASPER) Team

Bechtel Nevada/Livermore Operations Gated Imager Laboratory  
Dense Plasma Focus Neutron Generator Group



*From left to right, **Jay Norman**, Acting Manager/Nevada Site Office; **Mary Richards** of Epsilon; **Martin (Marty) J. Schoenbauer**, Principal Assistant Deputy Administrator for Operations, Office of the Deputy Administrator for Defense Programs; **Dr. Stephen Younger**, President for NSTec, the new management and operating contractor for the NTS; **Michael Ebert**, Manager of Wackenhut Services Inc. (WSI)*

JASPER Gun Technicians

Radiography Imaging Team

Omega Support Group

Lawrence Livermore National Laboratory Support Authority

Having Jurisdiction Equipment Survey Team

Bechtel Nevada Emergency Response Team, 2005 Air Force

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Wildland Fire at the NTS  
 Subcritical Assembly, Radiography and Downdraft Startup Team  
 Bechtel Nevada DAF Integrated Scheduling Team  
 New York Aerial Radiological Survey Team  
 Quality Material Tracking System Team  
 Leuser Experiment Team  
 Remote Sensing Laboratory – Katrina Response Team  
 Nevada Test Site Material Control and Accountability Team  
 Nevada Test Site Readiness in Technical Base and Facilities Program  
 DAF Training Team

**Wackenhut Services, Inc.**

Training Division and Physical Fitness Section  
 Protective Force Operations  
 Assessment & Oversight Division (Quality Assurance Section, Environment, Safety & Health Section, and Performance Testing Assessment Section)  
 Operations Security Awareness Section  
 Plans/Operations Section  
 Support Section  
 Human Resources Section  
 Technical & Information Services Division (Security Engineering Section, Electronics Systems Section, Technical & Information Services Section, & Information Services Section)

Individual achievements included efforts to keep defense program activities at the NTS viable and providing needed data; innovation in training system development for Los Alamos National Laboratory; outstanding technical accomplishments

## NNSA's Kathy Izell garners prestigious presidential award

**M**s. **Kathy Izell** has dedicated over 29 years of exemplary service to the National Nuclear Security Administration as it evolved from the Energy Research and Development Agency (DOE), to the Department of Energy, and finally the NNSA.



**Kathy Izell**

To reward and honor her contributions, she recently received the 2006 Presidential Rank Award for Meritorious Executive for the DOE. This award, bestowed by President Bush, honors an elite group of career members of the Senior Executive Service, Senior Level and Scientific and Professional corps who are selected for their outstanding leadership, accomplishments, and service over an extended period of time in some of the nation's most critical positions in the federal government. The U.S. Office of Personnel Management administers the Presidential Rank Award Program.

During her earliest days as an Honors Intern with the Office of General Counsel, Ms. Izell made significant contributions in patent law, international law, and procurement law. She recently demonstrated her ability to lead change by serving on a three-person team chartered by the NNSA Office of the Administrator to develop options for transformation of the Nuclear Weapons Complex to meet nuclear weapons stockpile missions.

on the Krakatau, Kerinei and Leuser subcritical experiment series; and innovation in pulsed-power machine load protection switches inspection process.

## Continued From Page 1

operations for a baseline capacity of 125 qualified pits per year at a site with existing Category I/II special nuclear material (SNM).

- Reduce the number of sites with Category I/II SNM and consolidate SNM to fewer locations within each given site.
- Consolidate, relocate, or eliminate duplicative facilities and programs and improve operating efficiencies, including at facilities for nuclear materials storage, tritium R&D, high explosives R&D, environmental testing, and hydrotesting facilities.
- Identify one or more sites for conducting NNSA flight test operations. Existing DOD and DOE test ranges (e.g. White Sands Missile Range in New Mexico and Nevada Test Site in Nevada) would be considered as alternatives to the continued operation at the Tonopah Test Range in Nevada.
- Accelerate dismantlement activities.

The sites that will be considered as potential locations for the consolidated plutonium center and consolidation of Category I/II SNM include: Los Alamos, Nevada Test Site, Pantex Plant, Y-12 National Security Complex, and the Savannah River Site. Currently the NTS is listed as having the capabilities to assemble/disassemble weapons, conduct large scale hydrotesting and store Category I/II SNM. Consolidating the activities outlined above and bringing them to areas such as the NTS is right in line with the major goals of Complex 2030 to implement efficiencies throughout the complex.

The draft white paper prepared by Ms. Izell will serve as the basis for development of further strategies by NNSA headquarters. Ms. Izell demonstrated outstanding leadership capabilities by providing direction and guidance to as many as 125 security, environment, safety, health, and site operations personnel during her seven years as Assistant Manager for Technical Services.

As AMTS, she fostered a results-oriented environment, supervising the successful completion of the first site-wide Environmental Impact Statement developed in 20 years for the often controversial Nevada Test Site. The document reconciled the widely varying interests of 19 Native American tribal entities affiliated with the site and was finalized without incurring stakeholder litigation.

Ms. Izell's procurement law and business expertise, coupled with her management skills, ensured completion of a carefully crafted contract, completed well ahead of schedule. Her work on this effort set the standard for DOE on how to conduct complex contractual actions, with minimal delays and no resulting litigation.



## Manager Messages



**DOE**  
Acting Manager  
Dr. Jay Norman



Happy New Year to everyone! It is my hope that each and every one of you took time during this busy season to treasure time with family and friends.

As we wrap up 2006, we can be proud of the fact that the Nevada Site Office had another exemplary year and reached a number of major milestones. Significant events included the stellar execution of both the Krakatau and Unicorn subcritical experiments and the production of an unprecedented wealth of data at the JASPER facility. In addition to these efforts, was the launch of the New Horizon spacecraft early in the year, which was supported by the Remote Sensing Laboratory. These efforts and many others were a testament to the teamwork and efficiency among federal and contractor employees that make such endeavors successful. And as the year progressed, we were fortunate to have a personal visit from Secretary of Energy Samuel Bodman, who took an extensive tour of the Nevada Test Site and expressed his gratitude for the work that we do here.

Indeed, your personal and professional contributions are the heart and soul of the NSO. This is evidenced by the fact that throughout the year, individuals and teams continued to garner important awards for their unique expertise, whether in the training arena, pollution prevention, stockpile stewardship, safety, security, or other crucial areas. And especially during the holiday season, your generosity was particularly heartening as you continued to reach out to the needy, whether through a tangible gift or the gift of your time.

As you know, my duties as Acting Site Office Manager will end in early January. The new manager, Gerald Talbot, with his extensive experience, is just what the office needs for the future. Jerry will do a superb job as NSO continues to support our nation's national security efforts and its role in Complex 2030. In closing, please accept my heartfelt thanks and appreciation to everyone on the NSO team for your hard work and service to America.



**WSI**  
General Manager  
Mike Ebert



2006 was, in some ways, the best of years for Wackenhut Services, Inc. (WSI)-Nevada. A new contract, many terrific new employees, and all the successes that go with being a changing organization on the move, were among the high points of the year.

As I prepare to depart this organization, I want to again tell the team how very proud I am of them for all they have accomplished. A special thanks to their families who have



**NSTec**  
President  
Dr. Steve Younger



To all of the members of the NTS family - Happy Holidays! I would personally like to thank everyone for making the NSTec team feel so welcome in our new home. This is a special place, with a special mission to the nation, and we are proud to be a part of it.

There have been many accomplishments over the past year, including stellar technologies developed at STL and RSL, Unicorn, Jasper, and other programs at NTS, as well as the outstanding support provided by all elements of the company. Our country faces grave threats around the world, but we can be proud of the work that we have done to reduce those threats. How fortunate we are to live in the greatest country in the world, and to be an essential part of keeping it safe and secure!

As you celebrate the New Year with your friends and family, remember those who serve in distant places, brave Americans who go in harm's way to protect our freedoms. And remember their family members, who worry over their loved ones while dealing with the daily challenges of family life. Closer to home, I want to thank everyone who has contributed right here in our community through the United Way, Salvation Army, and other worthy organizations.

We have much to be thankful for as Americans, Nevadans, and as a company family. I am convinced that our best days are ahead, days not without challenges but days that will allow us to fulfill our highest potential. Mari and I wish everyone in NSTec, our contractor family, and the many organizations that we serve, a safe and blessed holiday season.



been very supportive. On their behalf, thanks to all of the other contractors and the Nevada Site Office employees for all their support.

A sad part of this year that must be remembered is the loss of WSI Lieutenant Carlos Saenz, U.S. Army Military Police First-Sergeant, in Iraq. As we enjoy the holidays with family and friends, remember to do something to express support for our troops overseas at a time when too many people seem to think it fashionable not to do so or to simply mouth the words. It is in support of people like you and me, and this country, for which men and women like Carlos do what they do with pride and integrity, sometimes paying the ultimate sacrifice.

On behalf of the entire WSI-Nevada team, Merry Christmas, happy holidays, and a happy and prosperous New Year to you and your families.



**Stoller-Navarro Joint Venture**  
Program Manager  
**Dave Taylor**



The Stoller-Navarro Joint Venture would like to wish everyone Happy Holidays! With the end of 2006 upon us, the holiday season is often a time to assess our accomplishments and look forward to the future, with hope and enthusiasm.

I want to thank all SNJV employees, our teaming partners, and subcontractors for their hard work and dedication to the program. A special thanks as well to our new site partner NSTec

for their support to our successful environmental restoration mission. I know we all look forward to the coming year with renewed enthusiasm while remembering to keep health and safety in the forefront of all activities.

As always, the holiday season is a time for giving. So many of our associates continue to give tirelessly of their means, time, and experience to improve the lives of the less fortunate, and to them we say, "thank you," Let us continue to remember those men and women serving in our armed forces, some who have sacrificed their lives in the name of freedom; may they remain in our prayers.

On behalf of everyone at the Stoller-Navarro Joint Venture, best wishes to everyone, for a safe and happy holiday season!

## United Way Campaign

**T**he 2006-2007 NSTec United Way campaign kicked off Nov. 1 and ended in mid-December.

This year, the NSTec United Way committee hopes to achieve a contribution total of \$400,000 and a participation rate of 40 percent. The committee would also like to see a total of 165 employees become Leadership Givers, which is accomplished when an employee pledges \$20 or more per week. Last year, the company was number two in the community in leadership donors, with a total of 160 employees making that donation.

The United Way, governed by a volunteer board of directors, connects those in the community who are willing to help with those in need. This enables people to become self-sufficient and contributing members of the community. Last year, NSTec employees pledged a total of almost \$394,000 to the United Way, making it the number two employee campaign in the community.

Each NSTec department had a campaign representative, or key worker, who provided fellow employees with an optional pledge form to complete. Employees had the option to donate to the community impact councils, or any of the individual agencies listed in the agency pamphlet. Employees could also direct

funds to any 501(c)(3) non-profit tax-exempt organization with an eligible health and human service program. Contributions could be a one-time donation or a continuous donation, both of which may be payroll deductions.

In addition to making contributions in the community, the United Way campaign also enables employees the opportunity to help co-workers through the NSTec Employee Crisis Fund. This money is used to meet employees' emergency needs, such as rent payments, utility bill assistance, emergency airfare assistance, etc. This fund is administered by an NSTec employee committee, and in years past, has helped more than 150 of your co-workers who needed emergency assistance.

More than \$40,000 was raised for the employee crisis funds last year, and by simply checking the "Corporate Crisis Fund" box on the United Way pledge form, 15 percent of the United Way donation goes to the NSTec Employee Crisis Fund. Employees also raised money for the Crisis Fund by purchasing drawing tickets to win cash prizes.

"Campaign time is the only time contributions can be made to the Employee Crisis Fund," said **Jennifer Morgan**, campaign coordinator. "That is why we hold a raffle during this time to raise additional monies, beyond what employees so generously pledge during the campaign."

## NNSA/NSO delivers for its Combined Federal Campaign!

**T**he statement "doing more with less" can certainly be applied to the current workforce at the NNSA/NSO. In spite of a smaller workforce the NNSA/NSO employees continued to show their support to the Combined Federal Campaign (CFC) with a gift of over \$32,000 dollars! "This heart-felt contribution will make a real difference in real lives," said **Denise Ashurst**, CFC campaign coordinator for 2006.

The CFC fund is the only Fund that is designed, managed, and supported by federal workers to serve our Nation through caring Organizations in the heartlands of America.

"Hats off" to my colleagues at NNSA/NSO for their drive and commitment to making this another successful year, with results that will benefit generations to come. "The desire accomplished is truly sweet to the soul," says Ashurst.



## Employees go the extra mile for the needy this holiday season

Some of the WSI Community Outreach projects have grown near and dear to the hearts of WSI employees over the years and can even be classified as traditions. The Thanksgiving Food Basket Contest falls into this category, and involved building “baskets” of non-perishable food items and gift certificates for children in need at Quannah McCall Elementary School. School staff distributed the food items and certificates to 22 families of students attending the school, who may otherwise not have been able to bear the cost of providing a traditional Thanksgiving Dinner.



WSI employees load up their precious Thanksgiving cargo for delivery to Quannah McCall Elementary School, where students and staff welcomed them with open arms.

In addition, during December, WSI employees donated new toys and clothing to 101 children living in the Las Vegas valley through the Salvation Army’s Angel Tree program. One WSI volunteer was asked why do you do it? Her reply, “For me, the shy smiles and bold curiosity of the kids, makes this all worthwhile. They (the kids) are so cute.”

It is safe to say the WSI workforce does care about the community in which they live, work, and play, which is apparent by the generosity they demonstrate all year long.

## National Security Technologies, LLC

National Security Technologies, LLC (NSTec) takes pride in its ongoing community outreach efforts, but the winter holiday season particularly highlights NSTec’s efforts to help those less fortunate within our community.

This year’s Toys for Tots drive, a national program created to distribute toys to needy children, has been a success again in 2006. Even though NSTec got a late start in the drive, employees still pulled together to donate hundreds of toys to children in the valley.

Adopt-a-Family and “Angel Tree” are two other programs, in addition to United Way, that NSTec launches annually to help families who need a little help. NSTec assisted 10 families and two senior citizens this year through Catholic Charities’ Adopt-a-Family program, purchasing “wish list” items for those having a difficult time. The employees also helped 125 “angels” through the Salvation Army-sponsored Angel Tree program that provides gifts to those who may not be able to afford them.



Work Management is a small group within NSTec’s Operations and Infrastructure, but their generosity is apparent. With 22 bikes and two barrels of toys to their credit, you could say they’re the small group with a big heart.



The Nevada Employees Association had great success with the Angel Tree again this year, as evidenced by the mound of presents adorning the front of this tree!



# New software provides real-time, 3-D analysis of NTS activities

Imagine a high-desert, outdoor laboratory larger than many small countries, an area with a history as rich and complex as the scope of work it executes in the 21st century.

About the size of the state of Rhode Island, the Nevada Test Site (NTS) is a vast and remote area 65 miles north of Las Vegas currently managed by the DOE's National Nuclear Security Administration.

In 1950, the site was designated as the on-continent proving ground to conduct both atmospheric and underground nuclear tests. More than four decades later, full-scale testing ceased and the area evolved into a prime platform for other vital security programs. These include emergency response training, hazardous chemical-spill testing, environmental restoration, waste management activities, and conventional weapons testing.

With 700 miles of paved and unpaved roads, the NTS can pose a navigational challenge and can also experience seasonal lightning strikes and wildfires. And, because it is situated near Nellis Air Force Base, more than 1,500 planes fly overhead each month, making air-traffic monitoring essential.

To protect the more than 1,200 people who work at the site, the DOE established an Operations Coordination Center (OCC or BirdDog Operations). One of the main functions of the OCC is to monitor and respond to key site data related to air traffic, ground tracking, geospatial data, weather, and geography.

In 2006, the site's main managing contractor installed a new software system to monitor, analyze, and display these vital activities. A Satellite Tool Kit available through Analytical Graphics, Inc., was chosen to develop the system dubbed C4VAS, (Command, Control, Coordination, Communication, Visualization, and Analysis). C4VAS allows three-dimensional (3-D) viewing and was originally designed for satellite systems.

The software creates an integrated 3-D analysis and visualization picture that combines sensor tracks from vehicles, planes, and personnel with geospatial information such as roads, site borders, terrain, and imagery. Information is then Webcast on an intranet using Real Time Tracking technology as the server structure.

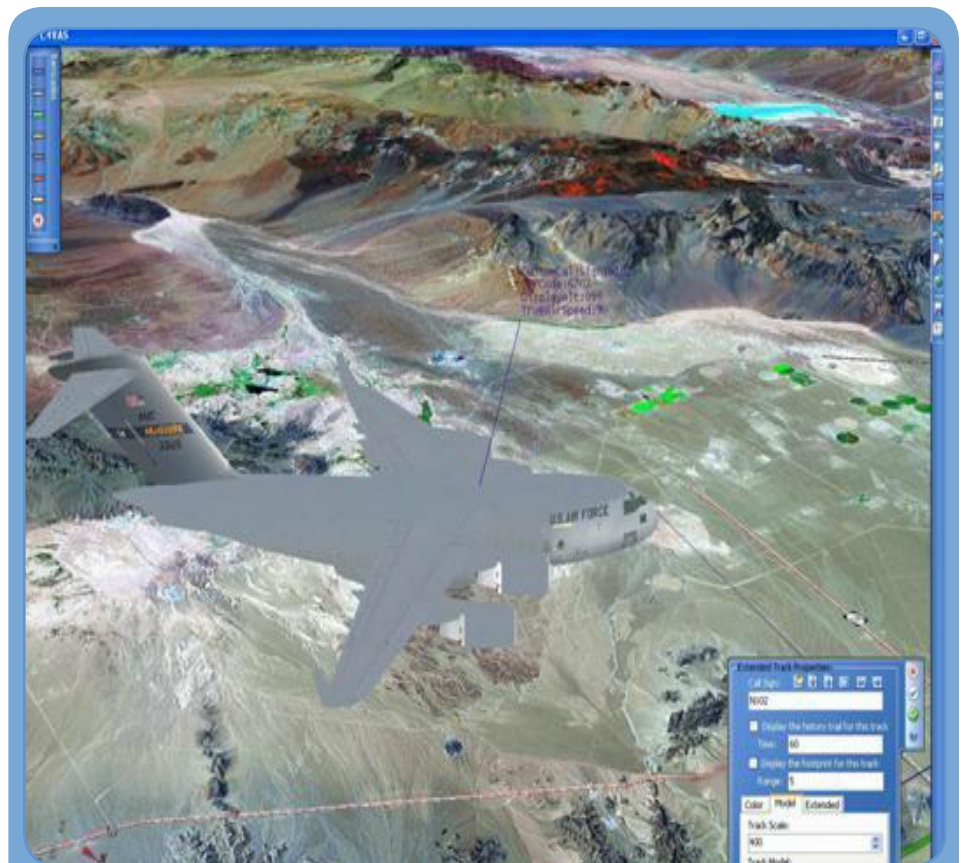
"Our goal at the NTS is to use the most up-to-date technologies available to meet our unique requirements," says OCC (BirdDog

Operations) Deputy Department Manager **James (JD) Daniels**. Those requirements include tracking and monitoring additional data feeds such as wind, temperature, and lightning, which can be integrated at a future date.

In the past, aircraft radar feeds, GPS-assisted ground-based feeds, phone systems, lightning strikes, and other disparate data were shown in separate two-dimensional displays that made comprehensive situational awareness difficult for the operators. The updated technology brings all these elements into one picture, and allows the operators to interact with the 3-D display to quickly assess emergency situations.

Daniels says that using current technologies at the NTS enhances and broadens the human expertise that is required to execute the many programs there.

"Using sophisticated technology enhances our human capabilities to make timelier, more accurate decisions, better manage aircraft over flights, and more thoroughly understand test-site hazards," explains Daniels.



C4VAS gives three dimensional view of C17, Globemaster 111 aircraft flying over Las Vegas, Nevada.



## Environmental Management partner – Stoller-Navarro Joint Venture

One of the key players behind the Nevada Site Office's (NSO) mission of completing Environmental Restoration activities at the Nevada Test Site (NTS) is the Stoller-Navarro Joint Venture (SNJV).

But what exactly does SNJV do?!

Years of nuclear research, development, and testing left behind a legacy of environmental damage and contamination on the NTS. As a NSO contractor, SNJV is responsible for assisting the U.S. Department of Energy in identifying the nature and extent of the contamination, determining the risk to the public and the environment, and acting to protect or restore natural resources adversely affected by historical activities at the Nevada Test Site (NTS).

The SNJV Preliminary Assessments team researches historical documents and contaminant release information, and travels to the NTS to record current conditions for each location affected. Preliminary Assessment findings are then provided to the Industrial Sites team to best prepare for the next step of the remediation process.

It is the responsibility of SNJV Industrial Sites workers to continue site characterization by traveling to the individual NTS sites to gather additional information. This information



*A team of experienced companies comprise the Stoller-Navarro Joint Venture (SNJV), which took over as the Architectural and Engineering contractor for the Nevada Site Office Environmental Management program in October 2003. SNJV partners, S.M. Stoller Corporation and Navarro Research and Engineering, along with key subcontract partners Battelle Memorial Institute, Intera, and Weston Solutions, each bring their unique technical expertise to the contract along with an abundance of diverse resources. Additional information on SNJV's five-year contract can be obtained by visiting the Nevada Site Office website at <http://www.nv.doe.gov/about/business/snjvaward.aspx>.*

may be in the form of soil samples, photographs, or other data which could aid in the development of corrective action alternatives. An analysis of these items leads to recommendations which are then provided to the Nevada Division of Environmental Protection and other NSO staff and contractors who work together to determine the future of each location.

In addition to NTS surface contamination, concerns about the potential for groundwater contamination provide

SNJV staff another challenge to tackle – developing a groundwater model for the Underground Test Area (UGTA) Sub-Project. In addition to supporting the acquisition of samples and data through well drilling activities, SNJV UGTA personnel are developing an extensive computer model that depicts where and how the groundwater system beneath the NTS functions.

This is accomplished by inserting historical factors such as the location, depth, and estimated radionuclides remaining from the 828 underground nuclear tests conducted at the NTS, as well as other information gathered through investigations such as sampling. SNJV UGTA modelers can then predict how quickly and to where groundwater is flowing and the potential for the migration of contaminants

And teamwork is truly the key to the success of the NSO Environmental Management mission. Not only must SNJV work well with federal project leads and other contractors, but internally as well. SNJV's Program Integration team is the glue that holds the pieces together through the monitoring of regulatory drivers, communications, and planning efforts.

Each day, more than 100 SNJV team members perform essential Environmental Restoration mission activities with dedication and safety in mind. Program Manager Dave Taylor is proud of the quality work and commitment each employee puts forth. In fact, he believes that it is essential in order "to be the company and employer of choice for environmental services to the NSO."

## Consider giving someone a safety gift!

Whether you are celebrating the New Year, Hanukkah, or Kwanza, this should be a wonderful time of year and not one filled with injury and despair. Each year alarming statistics are published reminding us all that we must be diligent in our efforts to be safe.

The statistics this past year are no different.

Each year, hospital emergency rooms treat approximately 8,700 people for injuries such as falls, cuts, and shocks related to holiday lights, decorations, and Christmas trees.

Christmas trees are involved in about 400 fires annually, resulting in 20 deaths, 70 injuries, and major property loss.

First things first—check your smoke detector and batteries, and replace them if necessary. Make sure there is a fire extinguisher available in a nearby location.

Also, here's a unique idea that could very well save a life! Why not give the following version of your own "safety gift":

- Decorate a basket that contains a carbon monoxide detector, flashlight and batteries, first aid kit, second floor escape ladder, mobile phone, fire extinguisher, or three smoke detectors.
- Create an Emergency Kit: energy bars, bottled water, battery radio, flashlight or light stick and a first aid kit. Pack everything into a small travel bag and tie on a bow.

Here are some additional tips to keep your holiday season safe!

Candles:

- Trim wick to one-quarter inch prior to each time the candle is lit.



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- Place all candles in sturdy containers.
- Ensure candles are a safe distance from combustibles.
- Extinguish before you go to bed or leave the home.

**Pets:**

- Keep animals away from the following items which can cause injury through ingestion: pine needles, holiday foliage, cookies, candies, especially chocolate, and antifreeze. The latter can cause permanent kidney damage to pets.

**Shopping:**

- Keep packages in your trunk and out of sight.
- Park your car in a well-lit, heavily traveled area.
- Ensure the contents of your vehicle are secure if you valet park.
- Consider investing in a theft deterrent system for your car.

**Note:** Safety statistics (in part) provided by the National Fire Protection Association.



**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

*Face-to-Face*

**Name:** Catherine Stewart  
**Company:** Stoller Navarro Joint Venture  
**Title:** Desktop Publisher  
**Hometown:** Washington, D.C.  
**Hobbies:** Arts and Crafts



Catherine believes her most significant contribution to SNJV so far is applying advanced knowledge of desktop publishing and problem-solving skills to produce quality documents for the Office of Document Production. What she has learned that has made her better at what she does today is to work well with co-workers and realize that she needs a team to get the work done. If she could have any job, she would like her own arts and crafts business, but if not that, she would help people and work in the social services field or for a charitable organization. Something about Catherine most people wouldn't know is that she collects "stuff" such as piggy banks, bells, baskets, fabric, plates, etc.

*Face-to-Face*

**Name:** Sherry Wulff  
**Company:** Wackenhut Services, Inc  
**Title:** Fitness Specialist  
**Hometown:** Columbia, Mo.  
**Hobbies:** Running, weight training, hiking, reading



Sherry considers her most significant contribution to the company so far is educating the Nevada Site Office security force about maintaining their health and well being through safe and effective exercise. Something she has learned that has made her better at what she does today is that to be healthy takes a lifelong commitment, and great effort must be made to maintain a healthy lifestyle. If she could have any job she wanted, Sherry would be an exercise physiologist at the Olympic Training Center. There, she would work with and test elite athletes in all sports. Something about Sherry that most people wouldn't know is that she is a chocoholic.



The BEST (Bring Everyone's Strengths Together) Coalition for a Safe and Drug-Free Nevada December newsletter contains some very practical and helpful information for Nevada Site Office employees during this holiday season.

### **It's your duty to be a responsible host during the holiday season**

Recognizing that the winter holidays are a time to enjoy family, friends, and associates, we should all assume the role of being responsible hosts. This is especially true when alcohol is involved. Drinking alcohol and driving is a combination that has no place in our festivities or in our community. Therefore, our participation and planning for holiday celebrations should include steps to ensure safety before, during, and after the party.

### **Statistics regarding driving and drinking are sobering at the very least**

In 2004, an estimated 13.5 percent of persons 12 years and older drove under the influence of alcohol. In that same year, 39 percent of all traffic fatalities were alcohol-related. And 51 percent of all fatal crashes that occurred on weekends were alcohol-related. Since 1975, more than 190,000 lives have been saved through increased awareness and legislation related to alcohol-impaired driving.

So, how can you be a safe and responsible host or participant in this year's holidays?

...To your health...

- Avoid making alcohol the main focus of social events. Entertain guests with music, dancing, games, food, and good conversation.
- One in three guests prefers non-alcoholic beverages. Make sure to offer plenty of non-alcoholic choices.
- Provide guests with nutritious and appealing foods to slow the absorption and effects of alcohol.
- Avoid salty foods which encourage people to drink more.
- Measure the correct amount of alcohol into your mixed drinks. No doubles. And don't tell everyone you are serving less alcohol.
- Do not serve to anyone who appears to be impaired. Check the ID of anyone who appears to be underage.
- Stop serving alcoholic beverages at least one hour before the end of the party.
- Recruit people ahead of time who will not be drinking to ensure everyone has a safe ride home.

When the party is over, the responsible host has an even more important role.

- Know the "safe ride" programs available in your community.
- Keep the phone numbers of several cab companies handy.



- Ask someone who has not been drinking to drive a guest home.

If the above options are not available, be prepared to offer your home as an alternative for people to spend the night. If the obviously intoxicated person is insistent about driving, take their keys, ask for help, or disable the car.

If all else fails, call the police. There is no place for half-hearted efforts when it involves the protection of our children, friends, and community from those alcohol-impaired motor vehicle operators on the road. Any confrontation that may occur between you and an inebriated person pales by comparison with the news of someone's death at the hand of a drunk driver who imbibed in your home, office event, or other social gathering. Be responsible.

### **In upcoming issue of Sitelines:**

- **Science Bowl preview**
- **More on the New NTS**
- **History of Cane Spring**
- **Overview of Employee Concerns programs for federal and contractor staff**
- **Update on energy conservation**



# Milestones

## Desert Research Institute

40 years **John Hallett**  
 20 years **Randolph Borys, Darko Koracin**  
 15 years **William Arnott, Sandra Gifford**  
 10 years **Steven Kohl, Mary Maclaren, Mary Schmidt**

## Environmental Protection Agency

30 years **Marsha Smith III**  
 25 years **Evelyn Clay**  
 20 years **Scott Faller**  
 15 years **George Dilbeck**

## Los Alamos National Laboratory

10 years **Douglas Weaver**  
 5 years **Nathaneal Farnham, Scott Traeger**

## NNSA/NSO

15 years **Cheryl Landholm**  
 10 years **Eric Amarescu**

## National Security Technologies, LLC

45 years **Charles Foster, Thane Hendricks**  
 40 years **Scott Fife, Celina Moon**  
 35years **Robert Platoni**  
 30 years **Michael Doman, Paul Ortego, Ray Shockley, Herman Utiger**  
 25 years **Richard Barre, Bennie Kirtman, Joseph Kneidel, Wilnetta Reed, Robin Robinson, Gary Thormahlen, Stephen Werle**  
 20 years **Kenneth Cooke, David Germain, William Hodges, Barbara Kemnitz, Patricia Molina, Ellen Traver-Marah, Cathy Wills**  
 15 years **Patti Goin, Dennis Gustafson, Lynette Taylor, Donald Walker, Nancy Wilson**  
 10 years **Peggy Blackman, Naomi Sperling, Mary O'Donnell, Richard Pinson, Denise Wolfe, John Yuhas**  
 5 years **Paul Ainsworth, John Bada, Linda Bradley,**

**Jennifer Brown, Teresa Bushgens, Sheri Dance, James Daniel, Damon Derendinger, Muriel DuVal, Juanita Favela, Myra Fukuno, Charlene Gifford, Jason Hawes, Mitchel Hollander, Clyde Hooper, Russell Howe, Angela Kalling, Robert Lewis, Sandra Little, Ebel Lopez, Olas Love, Robert May, Michael Mendez, David Mitchell, Donald Ng, Tim Ploeger, Pamela Salvato, Cheryl Schmit, Michael Schnars, Bernard Skinner, Thomas Stampahar, Kyle Stucki, Wendy Tan, Ricky Tindall, Gerald Troller, Frank Wilkins, Susan White, Ronnie Williams**

## Ruckman Associates Inc.

15 years **Cathy Pietras**

## Wackenhut Services, Inc

20 years **Sheril Hamlin, Mark Hojnacke, James Riddle**  
 5 years **Mark Herrin**

## New Hires

**Bruce Alder, Zaheer Ali, Cindy Aquino, Michele Arcade, Terry Arnold, John Audia, Norman Bendsten, Joan Bitsko, Miranda Brunett, William Bucy, Steven Burns, Chris Chalupka, Kandi Cramer, Michelle Dang, Scott Delmer , Gustavo Hernandez, Thomas Herritt, Judith Hewitt, Alice Kennedy, Larry Langford, Jeffrey LeDonne, Rodolfo Meza, Eric Mickelsen, Gerald Mikesell, Keith Miller, Steven Nolan, Shirley Ostboe, Ghazar Papazian, Anthony Parsons, Miguel Perez, Arlene Post, Michael Ratledge, Harvey Reif, Joyce Stephens, Shelly Stuart, Rayburn Thomas**

## In Memory

### Deceased Employees

**Michael Carlisle**  
**Jennifer "Kandi" Jefferson**

### Deceased Former Employee

**Chris Evans**

### Deceased Retirees

**Elwood Baker**  
**Benjamin Coburn**  
**Nancy Drysdale**  
**Jack Fulstone**  
**Michael Krupinski**  
**Robert Lewis**  
**Ronald Nishnic**

## Retirees

**Dennis Banto, NSTec**  
**Judith Bush, NSTec**  
**Bette Culver, NSTec**  
**Ellen Parchim, NSTec**  
**Gloria Smith, NSTec**



# SiteLines

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# Calendar of Events

**December 25**

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

**January 1**

NNSA/NSO and contractor offices closed in observance of New Year's.

**January 15**

NNSA/NSO and contractor offices closed in observance of Martin Luther King Day.

**February 19**

NNSA/NSO and contractor offices closed in observance of President's Day.

**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.**

**Upcoming Conferences, Meetings, and Trade Shows**

**January 19-20**

The National Contract Management Association presents a pre-conference and conference at the Riviera Hotel and Casino in Las Vegas, Nev. Information featured includes: *Leadership: Building High-Performance Buying and Selling Teams*. This new seminar offers professionals from the public and private sectors the opportunity to improve leadership skills. Go to <http://www.ncmahq.org/meetings/MYLC07/default.asp> for more information.

**January 21-24**

The Health Physics Society presents the 2007 Midyear Topical Meeting: Decontamination, Decommissioning, and Environmental Cleanup. The event takes place in

Knoxville, Tenn. and includes technical tours, social events, as well as a plenary session entitled: DOE's Environmental Cleanup Program: Accomplishments and the Future. For more information, go to <http://www.hpschapters.org/etchps/2007MY.html>.

**January 28-February 1**

The International Society of Optical Engineering presents Electronic Imaging 2007 – a major event for the imaging community, focusing on the complete range of applied and academic research in this large and diverse field. The event takes place at the San Jose Marriott and San Jose Convention Center in California. Some of the topics that will be covered include: 3D Imaging, Interaction, and Measurement; Imaging, Visualization and Perception; Digital Imaging Sensors and Applications and Image Processing. For more information, go to: <http://spie.org/app/conferences/index.cfm>.

**February 4-7**

The Education and Training Division of the American Nuclear Society (ANS) presents the *Conference on Nuclear Training and Education* (CONTE-07) in Jacksonville, Fla. The conference features the following key topic: "An International Forum on Nuclear Training and Education and Workforce Issues facing a Renewed Nuclear Energy Option," and takes place at the Hyatt Regency Jacksonville Riverfront hotel. Please contact the ANS Registrar at telephone number: (708) 579-8316 or email: [registrar@ans.org](mailto:registrar@ans.org) with any questions.

