

Brooks returns to NSO



photo by Dillard Vincent

Ambassador **Linton Brooks** (center), administrator for nuclear security at the National Nuclear Security Administration, visits the new Atlas facility at the Nevada Test Site. **Bob Golden**, program manager, NNSA/NSO (second from right), briefs Ambassador Brooks on Atlas and the scheduled activities for its operation by October 2004. **Debbie Monette** (left), NNSA/NSO's assistant manager for National Security, and **Darwin Morgan** (far right), director, office of public affairs, accompany Ambassador Brooks during his visit.



photo by Mary Scodwell

Ambassador **Linton Brooks** (center) receives a radiation sciences briefing from **Clifton Bluitt**, BN manager, radiations sciences section, during his visit to the Remote Sensing Laboratory- Nellis (RSL-N). **Cynthia Rivera**, BN assistant general manager, RSL and **Alan Will**, BN manager, remote sensing department, accompany Brooks during his briefings at RSL-N.

Contents

Brooks returns to NSO	1	Carbon monoxide safety	8
BN managment changes	2	Beyond the call	4
A view of history	2	Employees assist with Channel Island expedition	5
Atlas' relocation to NTS	3	A new champion at Science Bowl	6
Six Sigma	4	Lessons Learned	9
		Milestones	10
		Calendar	11



BN management changes

Several management changes have occurred at Bechtel Nevada. Those changes include:

Tom Habermas is the acting deputy general manager. **John Howantiz** is the new Nevada Test Site operations manager.

Jim Powell is the new deputy general manager for stockpile stewardship programs and operations, replacing **Harry Saxton**, who recently retired.

Roger Flanagan is assigned to a special project for business services. **Bob Braddy** is serving as acting assistant general manager for stockpile stewardship programs.

Gordon MacLeod has assumed the position of acting test readiness and infrastructure manager.

Davida Matthews is the new operations center manager.

Tim Sammons is the new acting Livermore Operations manager, replacing **Gary Still**, who recently retired.

Mike Martinez is the Special Technologies Laboratory manager.

A view of history

by La Tomya Glass



photo by La Tomya Glass

A view of the Nevada Atomic Testing History Institute building, located at East Flamingo Road and Swenson Street in Las Vegas, Nevada. In May, the building will welcome the Public Reading Facility, Coordination and Information Center, and the Desert Research Institute archaeological department on the top two floors. An exhibit area highlighting the history of the Nevada Test Site and a gift shop operated by the Nevada Test Site Historical Foundation will occupy the first floor. A grand opening is scheduled for October 2003.



photo by La Tomya Glass

This is a view of the entrance and lobby of Nevada Atomic Testing History Institute building. The building has space for the Nevada Atomic History Institute museum, which will house exhibits depicting the roles of the Nevada Test Site during its more than 50-year history. The building will also house a traveling Smithsonian Institution exhibit area.

Key to Acronyms

The following acronyms appear frequently in *SiteLines*:

BN	Bechtel Nevada
ES&H	Environment, Safety, and Health
LANL	Los Alamos National Laboratory
LLNL	Lawrence Livermore National Laboratory
NNSA	National Nuclear Security Administration
NSO	Nevada Site Office
NTS	Nevada Test Site
RSL-A	Remote Sensing Laboratory - Andrews
RSL-N	Remote Sensing Laboratory - Nellis
STL	Special Technologies Laboratory
WSI-NV	Wackenhut Services Incorporated - Nevada

NEWS BRIEFS

Up-to-date: Atlas' relocation to NTS

by Kurt Arnold

Atlas, the high-energy pulsed-power machine, is settling into its new facility at the Nevada Test Site. With a planned operational date of September 2003, Atlas will become another important component in the National Nuclear Security Administration's (NNSA) Stockpile Stewardship program.

Relocating the world's largest high performance pulsed power machine from Los Alamos, New Mexico to the Nevada Test Site was no small undertaking. A machine of this size and complexity required careful and detailed planning and involved a team of federal, laboratory, and contractor employees working together to make the move possible. The team's attention to detail and its hard work, enabled a successful relocation, which remained on time and within its established budget.

Two teams were established to assist in the relocation of Atlas. An inter-laboratory technical program coordinating committee, chaired by Los Alamos National Laboratory, includes Bechtel Nevada, NNSA/NSO, Sandia National Laboratories, and University of Nevada, Las Vegas (UNLV) representatives. The committee addressed technical issues associated with the relocation, conducts conceptual and preliminary design review, and identifies issues needed for the first experiments. The other team, an operations working group, includes Bechtel Nevada, Los Alamos National Laboratory (LANL), LANL Test Office, and NNSA/SO members. This team addresses operational issues for reassembly, including work control; addresses authorization basis issues for reassembly and experiments; and develops training and qualification plans.

"The success of the project, to date, is directly related to the persistence and demonstrated cooperation of the project partners," said **Bob Golden**, NNSA/NSO Atlas relocation project manager. "The partners, Bechtel Nevada, LANL, and NNSA, have worked together to achieve the common relocation goals and it's through this partnership and teamwork, at all levels, that we will have Atlas operational at the NTS by the end of this fiscal year," Golden said.



photo by Dillard Vincent

Reassembly of the world's largest high performance pulsed power machine is underway at the Nevada Test Site. The newly constructed facility (pictured) will house Atlas and its various components, which will aid the National Nuclear Security Administration's Stockpile Stewardship program.

Currently, a testing program on Atlas' electronic components is underway. Technicians are refurbishing or repairing some components prior to testing. Reassembly of the 89-foot diameter circular-shaped machine is also underway, with an anticipated completion date scheduled for the end of April 2003. Atlas is scheduled to be fully operational by September 2003 with experiments beginning in October 2003.



photo by Dillard Vincent

Reassembly of Atlas' 89-foot diameter circular-shape is underway. NNSA/NSO anticipates an assembly completion date by the end of April 2003. Atlas is scheduled to be fully operational by September 2003 with experiments beginning in October 2003.

Atlas supports materials properties studies and provides the Stockpile Stewardship Program with the capability of pulsed power drive to perform hydrodynamic experiments.

Atlas uses magnetically driven, ultra high precision implosions to validate complex hydrodynamics and material models.

Atlas provides high-energy density hydrodynamics (HEDH) data for assisting in the validation of nuclear weapons' codes.

Atlas will complement other Stockpile Stewardship Programs, including JASPER (gas gun) and the subcritical experiments conducted at U1a.

This feature highlights various components of the Six Sigma process at the National Nuclear Security Administration Nevada Site Office complex. A monthly article will detail the Six Sigma process, individual Process Improvement Projects (PIPs), the various Six Sigma team members, or the anticipated benefits and cost savings associated with implementing PIPs.

Every day is a Six Sigma day

by Jennifer Morton

For yellow belts, Six Sigma has become a part of their work day. To illustrate this truth, roundtable meetings are scheduled twice a month — one session at the Nevada Test Site and the other one at the Cheyenne facility.

Roundtables or yellow belt refresher courses, were designed by the Six Sigma deployment champion to encourage yellow belts to continue with the yellow belt process. The meetings give yellow belts an opportunity to share how Six Sigma tools are incorporated on a daily basis in various scopes of work. Yellow belts are instrumental to Six Sigma since they help identify top priority processes for Six Sigma focus and they identify process issues and opportunities for improvement.

At a recent meeting, a participant described their typical day. They discussed how they map their work, make adjustments where certain steps were off-plan, and ensure controls are in place to monitor activity.

“Although the employee did not realize it, all of the steps mentioned were yellow belt tools,” said **Lew Gordon**, Bechtel Nevada master black belt candidate.

“The Six Sigma group understands the time constraints on employees and we are striving to show people that the tools are not an ‘extra’ part of the day, but an integral part of the work they already do,” Gordon said.

Besides giving yellow belts an opportunity to share their projects with other yellow belts, roundtables bring consistency to the group. To keep everybody on the same track, black belts present a tool or method to the group of yellow belts during the roundtable called ‘tool time.’ Some of the topics are new and others are refreshers from the original yellow belt training. ‘Tool time’ helps to minimize variations that naturally occur when employees attend different yellow belt training sessions, Gordon said.

“Overall, the response to the tool topics, offered to date, has been positive,” said **Jerry Bonn**, a Bechtel Nevada black belt. “The topics provide an opportunity to review tools most commonly used by the yellow belts,” Bonn added.

Tool topics to be addressed in the upcoming future include: cause and effect, solution selection and implementation, and implementation and monitoring.

For additional information on Six Sigma or information on tool topics, contact **Lew Gordon, BN (702-295-2438)** or **Ron Wallace, BN’s Six Sigma manager (702-295-2510)**.

BEYOND THE CALL

ABCD Awards winners

by Sheril Hamlin

Above and Beyond the Call of Duty (ABCD) Awards are presented to Wackenhut Services Inc. Nevada (WSI-NV) employees to acknowledge and encourage outstanding performance and contributions to the organization. The following WSI-NV employees have received an ABCD Award:

Security Police Officers (SPO) **Jody Coles**, **Terry Fagan**, and **Lee Morris** were all awarded ABCD awards for their quick reaction and assistance when a Bechtel Nevada maintenance employee was pinned between a Badger (armored vehicle) and the

building doors while working on the vehicle. The three SPOs were able to push the Badger off of the employee. Although the victim sustained two fractures to his leg, further injury was avoided due to the quick reaction time of the officers.

ABCD awards were given to SPO **Matthew Vierig** and Sgt. **Antoine Barnes** for their ingenuity during a major water valve break in a maintenance area at the Remote Sensing Laboratory-Nellis (RSL-N). Once the break was noticed, both men jumped into action. They rigged a series of plastic pipes diverting the water into the north compound, preventing flooding of the mechanical room containing the electrical panels that house the

facility’s main power panels. The water damage to the RSL facility was significantly reduced thanks to the quick thinking and efforts of Vierig and Barnes.

Starrett reelected as co-chair

Dawn Starrett, Bechtel Nevada’s lessons learned point of contact and site lessons learned coordinator, was unanimously reelected to serve as contractor co-chair for the Society of Effective Lessons Learned Sharing.

Employees assist with Channel Island expedition

by Kurt Arnold

Each year, the JASON Project takes students around the world on an interactive exploration of our planet. This year's expedition, JASON XIV: From Shore to Sea, took students to the Channel Islands off the coast of California.

JASON XIV: From Shore to Sea focused on the unique physical geography of the region, examined climatology, oceanography, and island ecology. Students jumped back in time and looked at the geologic history of the region and how that has, in turn, shaped the unique biology of the islands. They also explored the incredible human history and culture of the region, which has been inhabited for at least 13,000 years.

Using NASA satellite data combined with data collected in the field, students were able to look at the big picture of the region. They examined watersheds as a vehicle to explore how the region's various ecosystems are interconnected. Their journey took them beneath the waves to explore the complex, diverse and fragile kelp forest and the steps being taken to research, monitor, and manage this valuable ecosystem. Scaling down further, they studied a fascinating group of marine mammals called pinnipeds, particularly Elephant Seals and California Sea Lions. Lastly, they explored two case studies, one on land and one at sea, that



illustrated the challenges of conserving this region's valuable resources.

The technical and logistical challenges of bringing this unique educational opportunity to Southern Nevada students is truly a community effort. That is evident by the efforts of many volunteers from the National Nuclear Security Administration Nevada Site Office (NNSA/NSO) family.

NNSA/NSO

Scotty Afong, Janet Appenzeller-Wing, Denise Ashurt, Angela Avery, Charles Baird, Chris Baker, Theresa Beall, Melody Bell, Ron Burchett, James Cebe Jr., Thomas Conley, Steve Curtis, Vicki Davis, Rosa Gomez, Hilda Guerrero, Gina Hill, Ann Howe, Bruce Hurley, Mitch Kunich, Steve Leedom, Ruby Lopez-Owens, Dario Luna, Michael Marelli, Peter Munding, Colleen O'Laughlin, Yulonda Paige, Vickie Parker, Fred Penrod, Ray Phifer, Carolyn Roberts, Diane Rodriguez, Linda Schmith, Blanca St. Claire, Susan Stickle, June Storey, Cathy Tullis, Sadie Wowlanko, and Derick Wickliffe.

Bechtel Nevada

Paul Ainsworth, Kurt Arnold, Kelly Beardall, Corey Bishop, Jon Boro, Carrie Booker- Johnson, Tamiko Brown, Ben Davison, Todd Emmitt, Debi Foster, Barbara Kemnitz, Marnie Magner, Kathleen Matson, Jared Mathis, Linda Middaugh, Jennifer Morton, Shawn Muehlbauer, Daniel Ramirez, Ken Sampson, Shawn Sheehan, Ryan Smrha, Jez Stampahar, Kevin Thomas, Nancy Tufano, Patrick Whitely, and Al Wright

WSI

Peggy Ebbenga, Sheril Hamlin, Kathie Nangle, Pon Shields, Lloyd Sydnor, Dianna Williams, and Rae Yuhas

Face-to-Face



Name: Ray Gamble

Employer: Wackenhut Services Inc. - Nevada

Title: WSI Support Section, Sergeant

Hometown: Hubbard, Texas

Hobbies/

Interests: Watching the Dallas Cowboys (America's team) play; outdoor activities including: hiking, jogging, basketball, and biking; bowling; pool; playing card games; collecting Buffalo soldier art and figures, and reading about their history.

A new champion crowned at Science Bowl

by Kirsten Kellogg and Steve Curtis

It came down to the bitter end. Thirty-two teams, one winner. Who would take the title?

Four teams made it to the final rounds of competition – Advanced Technologies Academy, Douglas High School, Reno High School, and Clark High School. Reno High School, a four-time Science Bowl champion, was the team to beat. Clark High School though, a former champion as well, got to sit and wait for the championship round since they were the only undefeated team of the day.

Advanced Technologies Academy entered the first heat of the final four in competition with Reno High School. Reno prevailed in a very close match. Next up, the only other remaining northern Nevada team, Douglas High School. This guaranteed a northern Nevada contender in the championship match for the sixth year in a row. Reno High School proved simply too much for their upstate neighbors and won in another thrilling match.

At last, the final two teams took center stage. Reno High School taking on Clark High School. Reno had to beat the Clark team twice to win the Nevada Regional Science Bowl, and they were ready. Reno not only won the first match, but did so convincingly. As the three men and one woman Reno team geared up for the final showdown with Clark, the momentum seemed on their side. As volunteers, parents, and other teams looked on, KTNV TV-13 meteorologist, Nate Tannenbaum, read through some of the toughest questions in the entire competition.

The first half saw both teams trade the lead several times. At the half, each team huddled with their coach who gave the best advice and motivation they could. When the second half was over, it had been dominated by Clark High School, the new Science Bowl champions. This, their second title in the 12 year history of the southern Nevada competition, earned them a trip to the nationals in Washington D.C., a trophy, and a check for \$2,500 for their school's math and science programs.

In addition to Clark High School, other winners were as follows:

2nd place – Reno High School (\$2,000)

3rd place – Douglas High School Team B (\$1,500)

4th place – Advanced Technologies Academy (\$1,000)

5th place – The Meadows School Team A and Centennial High School Team A - tie (\$500 each)

7th place – Green Valley High School and Cedar City High School Team A - tie (\$300 each)

9th place – Centennial High School Team B, Bishop Manogue High School, Galena High School, and Foothill High School Team A - tie (\$100 each)

The National Nuclear Security Administration Nevada Site Office (NNSA/NSO) would like to thank the approximately 75 volunteers who helped ensure the success of Science Bowl:

Heidi Albrecht, UNLV; **Charles Baird**, NNSA/SC; **Connie Barricks**, NNSA/NSO; **Steve Belew**, BR; **Deana Benally**, BR; **Jim Blink**, LLNL; **Carrie Booker-Johnson**, BN; **Dave Bowman**, BN; **Zeola Braxton**, UNLV; **Stan Brewster**, BN; **Bob Campbell**, GPI; **Dave Chubb**, BR; **Laury Clark**, ORD; **Sean Crawford**, NNSA/NSO; **Estelle Cruz**, NNSA/SC; **Steve Curtis**, NNSA/NSO; **Jan DiLorenzo**, BN; **Bill Distel**, BSC; **Elizabeth Donnelly**, NNSA/SC and daughter Caitlin; **Narayanan Doraswamy**, ORD; **Heather Emmons**, Shaw E&I; **Princess Gladney**; **Dalene Glanz**, BN; **LaTomya Glass**, NNSA/NSO; **Jeff Gordon**, BN; **Harris Greenberg**, ORD; **Steven Gregory**, BN; **Lenore Hemphill**, CCSD; **Ed Hohman**, BN; **Larry Karr**, BR; **Kirsten Kellogg**, NNSA/NSO; **Barb Knowles**, UNLV; **Norm Kramer**, BSC; **Susan Krenzien**, HAZMED; **Carol Lisor**, BN; **Frank Lynch**, ORD; **Leah Masterson**, BR; **Paul Matuska**, BR; **Michelle Meade**, SAIC; **Dona Merritt**, Navarro; **Linda Middaugh**, BN; **Michael Mohar**, BN; **Debbie Monette**, NNSA/NSO; **Matt Moses**, BN; **Cynthia Mueller**, DynaCorp; **Erik Nielsen**, BN; **Joni Norton**, NNSA/NSO; **Steve Okosis**, BN; **Yulonda Paige**, NNSA/NSO; **John Peters**, ORD; **Nathan Peterson**, BN; **Travis Pullen**, NNSA/NSO; **Janet Reiber**, UNLV and her daughter Dallas; **Glenn Richardson**, BN; **Shirley Richardson**, BN; **Carson Riland**, BN; **Crissy Riland**, BN; **Cheryl Rodriguez**, BR; **Carla Sanda**, Shaw E&I; **Ralph Sgamma**, BN; **Siriphone Shields**, WSI; **Bill Sinclair**, ORD; **Mary Jo Stack**; **Blanca St. Clair**, NNSA/SC; **Bruce Stolte**, NNSA/NSO; **Nate Tannenbaum**, KTNV TV-13; **Jeff Tappen**, ORD; **Yvonne Townsend**, BN; **Eric Wagner**, BN; **Maryla Wasiolek**, ORD; **Piotr Wasiolek**, BN; **Claire Whetsel**, BSC; and **Katherine Zander**, BR.

continued on page 7

A new champion crowned at Science Bowl

continued from page 6

Special thanks to **Tom Mack**, Bechtel Infrastructure Corporation and all of the Science Bowl sponsors:

Applebee's; Barrick Goldstrike Mines, Inc.; Bechtel Employees Activity Team; Bechtel Nevada; Bechtel SAIC Company, LLC; Best Buy; Bureau of Reclamation, Regional Office and Hoover Dam; CompUSA; Desert Research Institute; Grapevine Junction; Lockheed Martin Systems & Training Services; NASCAR Café; Navarro Research and Engineering, Inc.; Nevada Power Company; Nevada Test Site Historical Foundation; Pioneer Chlor Alkali Company, Inc.; Professional Analysis, Inc.; Shaw Environmental & Infrastructure, Inc.; S.M. Stoller Corporation; Southwest Airlines; Southwest Gas Corporation; Stratosphere Casino Hotel and Tower; The Adventuredome Theme Park at Circus Circus; University of Nevada, Las Vegas; University of Nevada, Reno; U.S. Department of Energy, Office of Repository Development; and Wackenhut Services, Inc.



photo by Mary Scodwell

Clark High School's team poses with their first place trophy and banner after winning the 12th Annual Nevada Regional Science Bowl. From left to right: Alex Cerjanic, Jing Chen, Donny Bridges, Zachary Devlin (captain), Tom Wang, and Beth Isaacs (coach).

Retirements

- Sherry Hall** - NNSA/NSO
- John Joines** - Bechtel Nevada
- Andrea Kato** - NNSA/NSO
- Phillip Monette** - NNSA/NSO
- Terence O'Connor** - Bechtel Nevada
- Dale Petersen** - Bechtel Nevada
- Nikki Plese** - NNSA/NSO
- Harry Saxton** - Bechtel Nevada
- Mary Smith** - NNSA/NSO
- Gary Still** - Bechtel Nevada
- Danny Stokes** - Bechtel Nevada

In Memory

- Joseph H. Dryden** - former DOE employee
- Robert B. Wagner** - Bechtel Nevada

Face-to-Face



Name: Elizabeth "Liz" Palagi
 Company: NNSA/NSO
 Job Title: Executive Secretary
 Hometown: Cypress, California (home town of Tiger Woods)
 Hobbies/
 Interests: Reading, playing Bunko, dancing, ping-pong, painting, bowling and shopping

In the Next Issue of SiteLines ...

- NNSA's FY04 Budget
- U1a air building deflated
- Employees take time to read

Carbon monoxide safety

The U.S. Consumer Product Safety Commission (CPSC) and the Federal Emergency Management Agency (FEMA) warn consumers of the risks of carbon monoxide (CO) poisoning by using gasoline-powered generators indoors.

When disaster strikes and the power goes out, many Americans turn to their gas-powered generators for heat and electricity. When they set up those generators indoors, a second disaster may strike - carbon monoxide poisoning.

What are the major sources of CO?

Carbon monoxide is produced as a result of incomplete burning of carbon-containing fuels including coal, wood, charcoal, natural gas, and fuel oil. It is emitted by combustion sources such as unvented kerosene and gas space heaters, furnaces, wood stoves, gas stoves, fireplaces and water heaters, automobile exhaust from attached garages, and tobacco smoke. Problems can arise as a result of improper installation, maintenance, or inadequate ventilation.

What are the health effects?

Carbon monoxide is an odorless and colorless gas that interferes with the delivery of oxygen in the blood to the rest of the body. It is produced by the incomplete combustion of fuels. The initial symptoms of CO poisoning are similar to the flu and include dizziness, fatigue, headache, nausea, and irregular breathing. Exposures to high levels of CO can cause death.

CO poisoning from fuel-burning appliances kills more than 170 people each year. Others die from CO produced while burning charcoal inside a home, garage, vehicle, or tent. Still more deaths happen when cars are left running in an attached garage.

What actions can prevent CO poisoning?

- Ensure that appliances are properly adjusted and working to manufacturers' instructions and local building codes.
- Obtain annual inspections for heating systems, chimneys, and flues. Have them cleaned by a qualified technician.
- Open flues when fireplaces are in use.
- Use proper fuel in kerosene space heaters.
- Do not use space heaters while you are sleeping. Remember to keep them away from flammable materials and turn them off when you leave the room.
- Do not use ovens and gas ranges to heat your home.

- Do not burn charcoal inside a home, cabin, recreational vehicle, or camper.
- Make sure stoves and heaters are vented to the outside and that exhaust systems do not leak.
- Do not use unvented gas or kerosene space heaters in enclosed spaces.
- Never leave a car or lawn mower engine running in a shed or garage, or in any enclosed space.
- Make sure your furnace has an adequate intake of outside air.

What should I do if I think I have carbon monoxide poisoning?

Do not ignore symptoms, especially if more than one person is feeling them. If you think you are suffering from carbon monoxide poisoning, you should:

- Get fresh air immediately. Open doors and windows. Turn off combustion appliances and leave the house.
- Go to an emergency room. Tell the physician that you suspect CO poisoning.
- Be prepared to answer the following questions: Is anyone else in your household complaining of similar symptoms? Did everyone's symptoms appear about the same time? Are you using any fuel-burning appliances in the home? Has any one inspected your appliances lately? Are you certain they are working properly?

continued on page 9

Face-to-Face



Name: Daniel D. Kirker

Employer: Bechtel Nevada

Title: Project Control Engineer

Hometown: Las Vegas, Nevada

Hobbies/

Interests: Scuba diving, snow skiing, fishing

What about carbon monoxide detectors?

continued from page 8

CO detectors are used as a backup *but not as a replacement* for proper use and maintenance of your fuel-burning appliances. According to the CPSC Chairman **Hal Stratton**, “Every home should have a CO alarm that needs the most current safety standards. “Those standards are: Underwriters Laboratories 2034 (Second edition 1998); International Approval Services 6-96 (second edition 1998); or Canadian Standards Association 6.19-01 (2001),” Stratton added.

Carbon monoxide detectors should have a long-term warranty and are easily self-tested and reset to ensure proper functioning. For maximum effectiveness during sleeping hours, carbon monoxide detectors should be placed close to sleeping areas.

If your CO detector goes off, you should:

- Make sure it is the CO detector and not the smoke alarm.
- Check to see if any member of your household is experiencing symptoms.

- If they are, get them out of the house immediately and seek medical attention.
- If no one is feeling symptoms, ventilate the home with fresh air and turn off all potential sources of CO.
- Have a qualified technician inspect your fuel-burning appliances and chimneys to make sure they are operating correctly.

Any additional information?

“People often turn to substitutes like gasoline-powered generators when storms, floods, and other natural disasters interrupt power services,” said FEMA deputy director **Mike Brown**. “In preparing for disasters, it is critical for people to identify and know the proper way to use generators.”

Emergency management officials suggest that other options to consider when power is interrupted from storms include checking into hotels or staying in designated shelters.

For additional information on carbon monoxide, visit the Environmental Protection Agency’s website at www.epa.gov/iaq/co.html. For additional information on safe use of generators, visit www.cpsc.gov/CPSCPUB/PUBS/portgend.html.



Lessons Learned

Lessons Learned

resources

by Dawn Starrett

Lessons learned is one example of an operating experience that provides management with useful information in making appropriate modifications in the workplace in an effort to continue improving safety performance.

Although safety is difficult to measure in terms of accidents prevented, lessons learned and other operational data are useful in identifying safety vulnerabilities. When significant safety vulnerabilities are identified, communicating those vulnerabilities in a timely manner to management is crucial. Management can quickly intervene

before serious safety issues or events arise.

One useful resource is the website for the Office of Performance Assessment and Analysis (www.tis.eh.doe.gov/paa). Information on this website includes links to operating experience summaries, the latest information on the Occurrence Reporting System (ORPS), an ORPS training manual, and special reports. The report, *A Review of Electrical Intrusion Events at the Department of Energy*, dated June 2002, is an in-depth review of electrical safety intrusion events identifying common causal factors.

Additional lessons learned resources may be found by contacting your organization’s lesson learned point of contact or **Dawn Starrett, site lessons learned coordinator (702-295-4297)**.

CALENDAR OF EVENTS

April 8

Energizers Toastmasters club meeting. Pioche Conference Room (C205), Nevada Support Facility. Contact **Kirsten Kellogg, NNSA/NV (702-295-1821)**.

April 10

Community Advisory Board meeting. Grant Sawyer Building, 555 E. Washington, Avenue, Room 4401, Las Vegas, Nevada. Contact **Kelly Kozeliski, NNSA/NV (702-295-2836)**.

April 12

Multiple Sclerosis walk. Hughes Center, Las Vegas, Nevada. For additional information on walks, visit www.nationlmssociety.org.

April 22

Energizers Toastmasters club meeting. Pioche Conference Room (C205), Nevada Support Facility. Contact **Kirsten Kellogg, NNSA/NV (702-295-1821)**.

April 23

NTS Public Tour, open to interested members of the public. CP-1, Sedan Crater, Frenchman Flat, HAZMAT Spill Center, Bilby Crater, Area 5 Low-level Radioactive Waste Management Site, Apple II houses. Contact **Brenda Carter, BN (702-295-0944)**.

May 3

8th Annual Susan G. Komen Race for the

Cure. Fremont Street Experience, Las Vegas, Nevada. For additional information, visit www.lvraceforthecure.com.

May 21

NTS Public Tour, open to interested members of the public. CP-1, Sedan Crater, Frenchman Flat, HAZMAT Spill Center, Bilby Crater, Area 5 Low-level Radioactive Waste Management Site, Apple II houses. Contact **Brenda Carter, BN (702-295-0944)**.

May 26

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

June 26

NTS Public Tour, open to interested members of the public. CP-1, Sedan Crater, Frenchman Flat, HAZMAT Spill Center, Bilby Crater, Area 5 Low-level Radioactive Waste Management Site, Apple II houses. Contact **Brenda Carter, BN (702-295-0944)**.

Declassified Film Showings

For information on declassified film showings at NTS CP-1, contact **Denise Langendorf (702- 295-4015)**. For information on declassified film showings at NTS Yucca Mountain, contact **Rod Rodriguez (702-295-5825)**.

Upcoming Conferences and Trade Shows

April 7-8

3rd Annual Commercial Contract Management Conference. The Fairmont Dallas, Dallas, Texas. For additional information, visit www.ncmahq.org.

April 27-30

Energy Facility Contractors Groups (EFCOG) Maintenance Working Group's 2003 Workshop. Stardust Hotel & Casino Convention Center, Las Vegas, Nevada. For additional information or to register, visit www.bechtelnevada.com and click on the EFCOG link or contact **Lana Buehrer, BN (702-295-2575)** or **LaTonya Carson, BN (702-295-7678)**.

May 12-15

4th Annual Small Business Conference. Albuquerque Convention Center, Albuquerque, New Mexico. For additional information, contact **Margaret Cerno, NNSA Service Center (505-845- 6182)**.

June 23-25

Safety 2003 - "Advancing the EH&S Profession." Colorado Convention Center, Denver, Colorado. For additional information, call ASSE (847-699-2929).

July 20-24

American Radiation Safety Conference and Exposition. Town and Country Inn, San Diego, California. For additional information, visit ww.hps.org/newsandevents/meetings.



*Published monthly for all members of the NNSA/NV family.
Kathleen A. Carlson, Manager, NNSA, Nevada Site Office.
Darwin J. Morgan, Director, Office of Public Affairs and Information.
Submit articles or ideas to the editor at 702-295-5792 or M/S NLV 106.*

Editor: Kurt Arnold Bechtel Nevada	Contributors: Kurt Arnold Tamiko Brown Steve Curtis La Tomya Glass Bob Golden Sharil Hamlin	Kirsten Kellogg Jennifer Morton Cheryl Oar Ken Partain Dawn Starrett
Layout and graphics: Jennifer Morton Bechtel Nevada		

