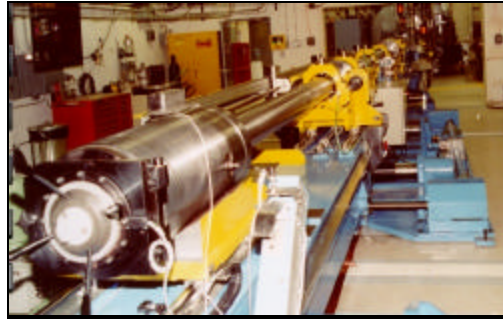


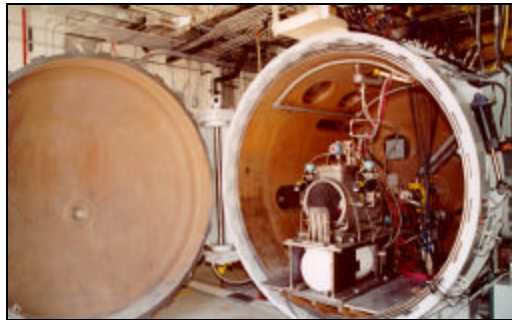
JASPER successfully fired at NTS

The National Nuclear Security Administration's Nevada Site Office and Lawrence Livermore National Laboratory achieved a major milestone on July 8, 2003, with the successful firing of the Joint Actinide Shock Physics Experimental Research (JASPER) gas gun at the Nevada Test Site.



JASPER is a 90-foot long two-stage gas gun which uses hot gases to drive a heavy piston down the first stage of the gun. The gas, built up to extremely high pressures, breaks a metal barrier and enters the second stage, a narrower barrel, propelling the projectile housed in the barrel toward the target.

Scientists fired a projectile, at a speed of five kilometers (3.13 miles) per second, at a plutonium target. Upon impact, it produced a high-pressure shock wave. The shock wave passed through the target within a fraction of a microsecond. Diagnostic equipment measured the properties of the shocked material inside the target during the extremely brief period.



Scientists fire a projectile, at a speed of five kilometers (3.13 miles) per second, at a plutonium target housed inside JASPER's target chamber. Upon impact, it produces a high-pressure shock wave. The shock wave passes through the target within a fraction of a microsecond. Diagnostic equipment measures the properties of the shocked material during this extremely brief period.

“Our national laboratories now have at their disposal a valuable asset that enhances our due diligence to certify the nuclear weapons stockpile in the absence of underground nuclear test-

ing,” said NNSA Administrator **Linton Brooks** after the landmark experiment. A vital experimental technique for determining the properties of materials at high pressure, temperatures, and strain rates is to shock the material and measure the material response. JASPER experiments support these goals, which are key elements of the NNSA stockpile stewardship program.

Additionally, these experiments complement the ongoing subcritical experimental program in place at the Nevada Test Site.

The JASPER gun is a 30-meter (approximately 90 feet) long two-stage gas gun. Hot

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STEEL LINES

June/July 2003

Issue 91

A PUBLICATION FOR ALL MEMBERS OF THE NNSA/NSO FAMILY

JASPER successfully fired at NTS

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gases from burning gunpowder drive a heavy piston down the first stage of the gun, compressing a light gas, typically hydrogen. The gas, built up to extremely high pressures, breaks a metal barrier and enters the second-stage, a narrower barrel, propelling the projectile housed in the barrel toward the target. A series of 20 shots was conducted with the gun to qualify it for use with nuclear materials.

Although similar gas guns have been and are in operation at Lawrence Livermore, Los Alamos and Sandia National Laboratories, they are not capable of achieving the velocity of 8 kilometers (5 miles) per second that JASPER can.

While operated by Lawrence Livermore National Laboratory, the JASPER gas gun will see multi-laboratory

use. The gun is capable of about 24 experiments per year over its ten-year life.

One of the key principles behind the stockpile stewardship program is to assess the effects of aging on nuclear weapons' components and to verify that as these weapons age they will continue to perform as designed. This is accomplished, in the absence of underground testing, through such programs as JASPER and sub-critical experiments

JASPER FACTS:

8 kilometers per second = Mach
24.125 = 17,895.49 miles per hour

18,000 miles per hours (24 times the
speed of sound)

Pressure achieved = 6 Mega bars or six
million times atmospheric pressure

BN management changes

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

Cynthia Rivera is the acting deputy general manager, replacing **Tom Habermas**, who recently retired. **Alan Will** assumes the position of acting manager for the Remote Sensing Laboratory during Cynthia's temporary assignment.

Bob McCook has assumed the position of manager of Price Anderson Amendment Act (PAAA) compliance under executive services. Bob reports directly to **Fred Tarantino**, president and general manager.

Paul Raglin is the new assistant general manager for infrastructure and the acting assistant general manager for test readiness. Paul reports to **Jim Powell**, deputy general manager for stockpile stewardship programs and operations. Paul is also one of Jim Powell's staff deputies and will address program-related issues.

Bechtel Nevada's Livermore operations and Los Alamos operations departments report directly to **Nelson Cochrane**, assistant general manager for diagnostics and engineering operations. Nelson is also one of Jim Powell's staff deputies and will address operations-related issues.

Ray Patterson is the new acting assistant general manager for combating terrorism. Patterson replaces **Mike Canavan**, who recently left Bechtel Nevada to return to the East Coast.

Roger Flanagan has joined NTS operations as deputy man-

ager. Flanagan will report directly to John Howanitz, NTS operations manager.

On July 14, 2003, **Daniel Steinberg** joined Bechtel Nevada as the engineering manager.

With the movement of the engineering department to the NTS operations, the diagnostics and engineering operations organization will change its name to the diagnostics and experimentation operations.

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
SC	Service Center
STL	Special Technologies Laboratory
WSI-NV	Wackenhut Services Incorporated - Nevada

News Briefs

CIC moves and changes name

On June 9, the National Nuclear Security Administration Nevada Site Office's Public Reading Facility and Coordination and Information Center was relocated to the new Frank H. Rogers Science and Technology Building. With the move to a new facility, came a name change. The Coordination and Information Center is now known as the Nuclear Testing Archive.

The Nuclear Testing Archive is a collection of historical documents, records, and data dealing with the United States nuclear weapons testing program. Bibliographic information from the Archive collection is accessible through the U.S. Department of Energy's bibliographic database containing declassified and publicly available documents. OpenNet is an automated searchable database, which

enables interested stakeholders to identify documents of interest, determine their location within the Energy Department complex, and obtain ordering information. OpenNet is available online at www.osti.gov/opennet.

The Nuclear Testing Archive is located at 755 East Flamingo Road, adjacent to the Desert Research Institute. The Atomic Testing Museum Store will open in the new building in mid- autumn 2003. The Atomic Testing Museum exhibit facility is scheduled for completion late summer 2004.

For additional information on the Nevada Test Site Historical Foundation, the new Frank H. Rogers Science and Technology Building, or to take a virtual tour of the Atomic Testing Museum, visit www.nevadatestsite.com.

This is only a test

by Terry Brooker

In May 2003, Seattle was the site of the most extensive terrorism drill in the nation's history.

The drill, dubbed Topoff 2 (for top officials), involved more than 8,500 people from 100 federal, state, and local agencies, the American Red Cross, and the Canadian government. The exercises were initiated by the Department of Homeland Security (DHS) and were planned and scripted for 22 months. Participants had some prior knowledge of what to expect, but many details were not revealed to keep the exercise as realistic as possible.

The five-day long test of the emergency response capabilities in the United States began on Monday, May 12 and concluded Friday, May 16. The drill combined a mock "explosion" of a radioactive "dirty bomb" in a car in a Seattle industrial lot with a mock attack of pneumonic plague in Chicago. The Seattle incident occurred on Monday and was designed to produce more than 150 critical injuries or "casualties" with

radiation detected near the blast site. Approximately 60 nuclear/radiation emergency consequence management responders deployed from Remote Sensing Laboratories (RSL) and the Nevada Test Site to take part in the drill as

support to the Federal Radiological Monitoring and Assessment Center (FRMAC).

The Aerial Measuring System (AMS) deployed the fixed wing aircraft to fly over the radioactive contamination and provide data on the extent of the plume dispersion. FRMAC field monitors surveyed the blast area to get readings on the amount and types of radiation detected. Assessment scientists, geographic information specialists, and database specialists had to interpret the

*"Homeland security begins at home," Seattle Mayor Greg Nickels said.
"When a disaster occurs, people do not call the White House, they call 9-1-1."*



photo by Vince Stern

This Seattle industrial area was the incident site where the radioactive detonation device "dirty bomb" exploded, and a fictional 150 people were killed or critically injured.

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This is only a test

cont. from page 3

data, and then create maps to identify the extent of the radiation problem. RSL-Andrews deployed personnel as part of the Domestic Emergency Support Team. Clean-up efforts, victim treatment, and a raid on the fictional terrorist group “Glodo” were also tackled during the 5 days. RSL-Nellis also had six people on the control planning team.

The sheer magnitude of the exercise was daunting, and every effort was made to keep it as realistic as possible. For example, some of the “burn” victims were so realistically altered by make-up artists that they actually screamed after seeing their graphic looking “burns” in the mirror. However, the other challenge was to not to alarm citizens in either city, or in the facilities being used as part of the exercise. 9-1-1 operators were briefed on the activities so they could assure callers that the drills were not real emergencies.

The drill was designed to prepare emergency responders for the many aspects of facing scenarios like this. Issues on the “to be addressed” list included:

- Determine how to balance informing the public with minimizing panic
- Coordinate communication so top officials can share information and ideas efficiently
- Learn to resolve on the spot disagreements among organizations regarding logistical matters, e.g., how many streets to evacuate, etc.
- Assess how to make decisions about closing air ports, national border crossings, etc.

- Balance the need to care for victims with preserving the crime scene.

“Nothing can prepare us for the emotional devastation of

something like the 9/11 attacks, but we can better learn to handle the real-time issues and decision-making challenges in an emergency response,” said **Rich Tighe**, assessment manager at TOPOFF 2 and RSL-Nellis department manager. “Exercises are very valuable and help to pinpoint strengths as well as areas that need improvement.”



photo by Mary Scodwell

RSL Manager Rich Tighe discusses data assessment with Kathy Shingleton (LLNL), and (seated L to R) RSL-Nellis scientists Bob Noto and Ryan Smrha.

It was agreed by all the top officials that the FRMAC provided quick, competent, skilled, and proficient radiological support to the city

and state emergency response organizations. The Bechtel Nevada participants received a letter of commendation from the Environmental Protection Agency and numerous verbal compliments from **Paul**

Evancoe, director of emergency response, NNSA and **Debbie Monette**, assistant manager for national security, NNSA/NSO.



photo by Mary Scodwell

Gary Chilton, Rich Sorom, Ray Watson, and Juan Pena discuss the field team routes for monitoring activity.

During the “hotwash” (review of activities and assessment of the status of the event’s success) immediately after the exercise, Evancoe told the responders that “...regarding the (DOE) Secretary’s office, Topoff was considered a golden success, and the Department was dazzled by the event.” Evancoe added they were “very proud”, it was “extremely positive

exposure” and responders had established “excellent credibility with the DHS.”

In the Next Issue of SiteLines ...

- Nuclear Operations Review
- Bargaining Groups Report No Recordable Injuries
- Performance Award Winners

Heat and you

by Karen Sondrol-Maxwell and La Tomya Glass

Have you ever found yourself saying, "It sure is hot, I'm so thirsty?"

According to Dr. **James Collet**, Bechtel Nevada's medical director, when you feel thirsty you are already becoming dehydrated. "The thirst mechanism doesn't respond until you are already one to two liters behind in your hydration," noted Dr. Collet.

Dehydration is the primary cause of heat stress which can range from mild dehydration to heat stroke. Mild dehydration results in decreased coordination, fatigue, and impairment of judgment, all of which result from a decreased body water volume due to dehydration. Heat exhaustion is more difficult to diagnose than heatstroke, but the outcome is better, if treated promptly.

Heat Syncope is characterized by dizziness or fainting while standing still in the heat for an extended period of time. The most serious problem with heat syncope is people falling and injuring themselves.

Heat cramps are caused by a temporary fluid and salt imbalance during hard physical work in hot environments. It is characterized by painful cramps or spasms in the arms, legs, or abdomen. The person is usually sweating heavily.

Heat Exhaustion results from the reduction of body water or blood volume. This is common for people standing or working in the sun for long periods of time. Heat exhaustion causes a person to feel faint or to faint due to pooling of blood in the lower extremities. This occurs when the amount of water lost exceeds the amount of fluid consumed. The following signs are clues to dehydration and impending heat exhaustion:

- Fatigue
- Headache, dizziness, nausea, weakness
- Excessive thirst, dry mouth
- Skin is pale and moist, possibly heavy perspiration
- Slow and weak pulse
- Low blood pressure
- Dilated pupils
- Disorientation or fainting

First aid for heat exhaustion:

- Remove person from exposure to the sun to a cooler location
- Loosen or remove clothing. Cool the person by fanning for fast evaporation.



- Apply cold compress to head, neck, groin and armpits
- Do NOT use alcohol rubs
- Do NOT give medication to lower fever
- Give the person electrolyte beverages (Gatorade) or water to sip
- Do NOT give fluids containing alcohol or caffeine
- Seek medical attention immediately by calling 9-1-1

Heatstroke is a life threatening illness and more serious than heat exhaustion. It is distinguished from other heat related illnesses by 1) an altered mental status caused by heat injury to the brain and 2) a core body temperature of 106 Fahrenheit (F). Heatstroke can be abrupt, so watch for these symptoms:

- Headache, dizziness, nausea and fatigue
- Red, very hot, dry skin. Usually sweating has ceased.
- Strong, rapid pulse
- Increased respirations
- Small pupils
- Very high body temperature (about 106 degrees Fahrenheit or higher)
- Extreme disorientation, unconsciousness, or possible convulsions

First aid for heatstroke:

- Remove person from sun exposure
- Get medical attention immediately, call 9-1-1. Continue first aid until help arrives.
- Loosen or remove clothing, wrap the victim in cool wet sheets or clothing and fan for fast evaporation.
- Apply cold compresses to head, neck, groin and armpits.
- Do NOT give any medication to lower body temperature. This will not help and may be harmful.
- Do NOT rub the person with alcohol.
- It is NOT advised to give anything by mouth (not even water) until the person has been stabilized

The body temperature usually climbs rapidly, followed by collapse of the circulatory system, which may precede death or cause permanent brain damage. Death can occur in as little as 30 minutes. Classical heat stroke produces dry red skin from dehydration.

The cooling mechanism fails in heatstroke causing the body temperature to rise rapidly. When this happens the brain begins to fail (the brain can only function in a very narrow temperature range). As the brain overheats the person may become disoriented, combative, and argumentative and may hallucinate.

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Heat and you

cont. from page 5

Left untreated heatstroke is often fatal and can cause brain damage, shock, heart and/or kidney failure.

The goal of this treatment is to maintain circulation and lower body temperature as quickly as possible.

Heatstroke is preventable, stay well hydrated. Do not rely on your thirst mechanism to tell you to drink. Under conditions of heat and exertion it is nearly impossible to drink too much water. Keep all activities to a moderate level.

An important bit of information is heat index values and their effects:

- 80-90 F – fatigue is possible with prolonged exposure and physical activity
- 90-105 F – heatstroke, heat exhaustion and heat cramps are possible with prolonged exposure and/or physical activity
- 105-120 F – heatstroke, heat cramps, and heat exhaustion are likely with prolonged exposure and/or exertion
- 130F or higher – heatstroke is highly likely with exposure

What should you do when the hot weather strikes?

- Frequent fluid replacement - increase your fluid intake of nonalcoholic beverages. Avoid beverages with caffeine.
- Wear loose fitting clothing that is light in color.
- Avoid the outdoors, if possible, in extreme heat.
- Stay in air conditioning.
- Eliminate strenuous activity during the hottest part of the day.

Fluid replacement guide:

- Temperatures under 102 F – half pint of fluid every 30 minutes
- Temperatures between 103 F and 106 F - half pint of fluid every 15 minutes
- Temperatures 107 F and above – half pint of fluid every 10 minutes

Remember that people at an increased risk for heat related illnesses are the elderly, anyone with a debilitating illness, very young children, and individuals with alcohol dependency.

For additional medical information, contact **Dr. James Collet, (702-295-1473)**. For information on heatstroke and heat exhaustion, visit the following Web sites:

How We Overheat - www.gorp.com/gorp/publishers/ics/hea_medb3.htm
Heat Safety - www.nws.noaa.gov/er/lwx/heat.htm
Kool Ties/Heat First Aid/Heat Exhaustion - www.kooltie.com/heatex.html

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 team members associated with Six Sigma, or the anticipated benefits and cost savings associated with implementing the PIPs.

PTC fabrication process change underway

by Jennifer Morton

In December 2002, a Process Improvement Project (PIP) was implemented to reduce the cost of fabricating Primary Target Chambers (PTC) by 20 percent. The reduction would enable Bechtel Nevada to save approximately \$20,000 per PTC, or \$1.2 million for the remainder of the contract.

A PTC is part of the two-stage light gas gun system, utilized at the Joint Actinide Shock Physics Experimental Research (JASPER) facility. The PTC is the primary containment for plutonium and other special nuclear materials used in equation-of-state experiments. The PTC prevents the release of the special nuclear material and contains the waste products produced during the experiment.

In Fiscal Year 2002 it took approximately 1,000 hours to fabricate a PTC. With the recommended improvements, the PTC PIP team expects this number to decrease to 800 hours.

Bob Braddy (champion), **Mitch Franta**, **Adolfo Guzman**, **Joe Maridon** (machine shop superintendent), **Amy Moore** (team black belt), **John Truax**, and **Jim Veater** (machine shop foreman) used the Six Sigma systematic approach, MAIC (Measure, Analyze, Improve and Control), to evaluate the PTC fabrication process. **Matt Cowan**, a Lawrence Livermore National Laboratory (LLNL) project engineer, provided customer requirements and expectations.

During the measure phase the team mapped the PTC fabrication process, developed a cause and effect diagram and a failure modes and effects analysis. This work revealed the following potential defects to the process: revisions to the

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PTC fabrication process change underway

cont. from page 6

PTC drawings; extensive paperwork; machine capability; machine shop temperature; and timeliness of work order issue. These defects resulted in “too many labor hours” used to fabricate a PTC.

The team moved onto the analyze phase where they used multi-level Pareto charts to break down the fabrication labor process into discrete work scopes. These charts allowed the team to focus their improvement efforts on operations where the biggest impact could be made. The most significant contributors to the labor hours were lathe and mill operations, followed by drilling and tapping holes, counter boring, and welding.

The following improvements were recommended upon completion of the improve phase: incorporate more computer numerical controlled operations in the machining process that incorporate custom-made groove tooling; procure pre-cut blanks for the flanges and covers; fabricate PTC parts in multiples; change the type of weld on the PTC tank plumb-

ing weldment; and review design drawings and quality assurance requirements to identify additional improvements.



photo by Kurt Arnold

From left Amy Moore, Al Guzman, Joe Maridon, Tom Truax, Jim Veater, and Mitch Franta review PTC drawing specifications.

Since implementation of the improvements, two PTCs have been fabricated. The two PTCs were fabricated in approximately 1,600 hours, averaging 800 hours each - a reduction rate of 20 percent.

“The number of fabrication hours will fluctuate from PTC to PTC because of continued design improvements issued by LLNL and other day to day operational fluctuations,” said Amy Moore. “But, over the life of the contract,

Bechtel Nevada could save \$1.2 million. This savings translates into increased customer satisfaction and potential increased work scope,” Moore added.

By the end of this fiscal year, 14 PTC fabrications are expected to be completed; currently there are six PTC fabrications underway.

Beyond the call

An early Christmas for a North Las Vegas resident

by Kurt Arnold

Over the course of three weekends, volunteers built, caulked, cleaned, drilled, hammered, installed, mopped, painted, planted, repaired, sawed, shoveled, sprayed, swept, and wired during this year’s Rebuilding Together with Christmas in April project.

Dorothy Hill, this year’s selected homeowner, witnessed a flurry of activity as volunteers completed alterations and made repairs to her home. Ms. Hill remained unfazed as painters, electricians, carpenters, and do-it-yourselfers toiled weekly throughout her home. She seemed to understand that

the weekly messes were a part of the renovation process. Week by week projects were completed and others took their places.

Teams of volunteers shared their time and skills to assist in the renovation of Ms. Hill’s home. Volunteers

widened her master bathroom doorway to allow the access of her wheelchair and new flooring was installed. The plumbing in both bathrooms was replaced with new copper piping, new faucets replaced old leaky ones, and new tub surrounds were installed. Both bathrooms were furnished with new overhead light fixtures and a coat of paint.

A sagging wooden closet pole in the master bedroom was replaced with adjustable wire shelving and



photo by Kurt Arnold

The front of Dorothy Hill’s home before Bechtel Nevada volunteers began renovations.

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Beyond the call

An early Christmas for a North Las Vegas resident

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new closet doors were installed. Two other bedrooms received new closet doors, ceiling fans were mounted after new wiring was run in the bedrooms, and both were painted. A set of mini blinds was installed in one bedroom.



photo by Kurt Arnold

It is always the small things that make the difference. Raina Kitt, daughter of John Kitt, plants petunias around the base of a mulberry tree. Raina and her father join other Bechtel Nevada volunteers during the annual Christmas in April project.

Closet doors in the hallway, which would not close, were replaced and repaired. The walls of the hallway were painted and missing baseboards and door frames were installed. A new domed light fixture provided better illuminate a dark hallway.

Ms. Hill's kitchen ceiling and walls were patched, primed, and painted. Her old gas stove, which would not stay light, was replaced with a new one. A missing overhead hood was purchased and installed over the stove. New baseboards were also installed. Ceiling fans in the living room and den were replaced with a new fans and lights. One wall in the home's den was painted and the wooden blinds were repaired. Mini blinds were hung in her laundry room. The exterior of the home and surrounding walls were painted, flowers were planted in new beds, two new security lights were installed at the front of the home. An old wooden gate was replaced with a newly constructed side gate.



photo by Nancy Tufano

The front of Dorothy Hill's home after Bechtel Nevada volunteers gave it a new coat of paint and new flower beds.

Following the completion of all this work, the home's carpeting was cleaned.

All the work was completed with the generous support of the following volunteers:

Rhyan Andrews, Kurt Arnold, Jerry Bonn, Danny Brickey, Ron Cigna, JM Faglier, Aaron Fisher, Gary Gardner, Danette Hatfield, Jamie Hawkins, Latesha Hill (Dorothy's granddaughter), John Howanitz, Chaz Kalnin, John Kitt and daughter Raina, Tom Leonard, Darlene Liuska, Darla and Rex Livingston and daughter Brianne, Ken Machynia, Kurt Martinez, Gilbert Medina, Tommy Joe Morrissey, Kelly Murphy, Diana Myers, Brandon Nelson, William Nicholas, Judith Owens, Robert Prestis, Lee Romeo



photo by Kurt Arnold

Brandon Nelson, a Bechtel Nevada employee and volunteer, paints a support wall during Bechtel Nevada's involvement with the Rebuilding Together with Christmas in April project.

and wife Barbara, **Robert Rommel, W.B. Sutherland, Bill Templeton, Cathi and Lou Tharin** and daughter Marina, **Gary Thormahlen, Cleandrew Threats, Norman Vinson, Neal Westphal, Delbert Whittington, and Jeff Wojick** and son Adam.

"I want to thank everyone that helped work on my home," said Dorothy Hill. "Thank you for choosing my home and for being so nice and friendly. I would recommend you to anyone that wanted to be a part of Christmas in April. They would be lucky to have you work on their home. I really appreciate everything that everyone did," she added.

A special thanks to Port O'Subs, Roots Salon, and Southwest ChemDry for their generous support and donations.

Working Together with Christmas in April is the nation's largest volunteer organization preserving and revitalizing low-income houses and communities.

Beyond the call

Employees excavate valuable gift

by Kurt Arnold

Even if it's a little thing, do something for those who have need of help, something for which you get no pay but the privilege of doing it. —Albert Schweitzer

Bechtel Nevada employees joined community volunteers to uncover the meaning of Albert Schweitzer excerpt during the Christmas in April - Pahrump Valley's annual project.

Anneliese Dreseler, this year's selected homeowner, received help from Bechtel Nevada employees and community volunteers when they refurbished her mobile home. Dreseler, a widow and a 22-year resi-

dent of Pahrump was selected from about 15 applicants to receive the free-of-cost home renovation. She was the fourth recipient in Pahrump to receive assistance from Christmas in April - Pahrump Valley, the second since the chapter was formed.

For three Saturdays in April, dedicated volunteers renewed the Dreseler home. Volunteers made minor repairs, such as replacing garden hose bibs, to accomplishing major work, removing dead tree stumps from the yard. Other work accomplished over the three Saturdays included repairing leaks in the roof (the bedroom ceiling would leak whenever it rained),



photo by Pat Watson

Volunteers install the Bechtel Nevada standard white picket fence in Anneliese Dreseler's front yard during the annual Christmas in April - Pahrump Valley project.



photo by Pat Watson

Armed with paint brushes and rollers, volunteers put a fresh coat of paint on the exterior of Anneliese Dreseler's home in Pahrump, Nevada.

installing new gutters, purchasing new patio furniture, repairing the home's front door (would not latch), repairing the cement block skirting around the home, replaced the warped trim around the home's exterior windows, landscaping the yard with rock, painting the home's exterior, and installing the Bechtel Nevada signature white picket fence.

Rick Remington, Bechtel Nevada employee and board president of the chapter, was instrumental in establishing the Christmas in April chapter in Pahrump. Since its

inception, he remains actively involved in the non-profit organization. He served as house captain and team coordinator for this year's project.

"The Pahrump chapter of Christmas

in April gets stronger every year," said Remington. "We have become a well known and respectful organization within our community. This is all made possible by the outstanding support of our volunteers and sponsors. I would personally like to thank each and every one of them for another phenomenal success this year," Remington added.



photo by Pat Watson

The finished exterior of this year's Christmas in April - Pahrump Valley's project.

Bechtel Nevada volunteers supporting this year's project included: **Shelly Davis; Larry Eystad; L.D. Johnson; Marshall Laub** and wife Pam,

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Employees excavate valuable gift

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Ken Machynia, Rick Remington and wife Terry; **Paul Toles; Bradley Van Cleave;** and **Sharon Wehrly,** sons George, Jessie and Marty.

Member of the community also assisted, those volunteers were: Carol and George Betts, C.J. and Jeannie Coker, Peter Gnecco, Scott Howard, Kay Jones, Betty Goldberg, Al Lipparelli, Caroline Lynn, and Pat and Curtis Watson.

Community sponsors of the project included: A.N.C. Roofing; Bechtel Nevada; Bolling Construction; 4-H Club of Pahrump; Jo's Pizza; KPVM, Channel 41; Kentucky Fried Chicken; Port O'Subs; Malek Building Materials; Pahrump Sanitation; Pahrump Valley Construction Association; Pahrump Valley Times; Valley Ace Lumber & Hardware, Barstow, California.

The Christmas in April - Pahrump Valley chapter is an accredited non-profit organization with the United Way of Pioneer Territory.

Bridging the distance

by Kurt Arnold

What involved about 140 people, was accomplished without the people meeting, took advantage of modern-day technology, and only lasted about six months?

If you guessed e-mentoring, you are correct!

More than 70 Bechtel Nevada employees and 65 Jim Bridger Junior High School eighth grade students participated in the Clark County School District's Stay in School Mentoring Program. Paired with volunteer e-mentors (mentors using their work computers) from Bechtel Nevada, students from two accelerated science classes sent their mentors weekly e-mail messages.

The Stay in School Mentoring Program is designed to provide students with positive connections with adults who motivate them to succeed. The E-Mentoring Program is a fairly new program within the Stay in School Mentoring Program, but uses the computer to connect e-mentors with their e-mentees. This addition provides the largest number of mentors to reach the largest number of students with a minimal commitment of time and resources. Since the program uses computers to communicate, employees located in Livermore, California; Los Alamos, New Mexico; Santa Barbara, California; and near Washington, D.C. were able to participate as e-mentors, as well as employees in various loca-

tions across Las Vegas, Nevada.

"I'm very impressed that Bechtel Nevada offers this program to its employees and subsidizes our time. The personal satisfaction from it has been great for me and it's really nice to know that you're giving something worthwhile to kids who really need it and benefit from it," Heidi Utz, second year e-mentor.



photo by Kurt Arnold

*At a recent face-to-face meeting **Tonja Patton** (left center) and her e-mentee, **Denise Woodard** (far left) along with **Bev Slater** (center) and her e-mentee, **Aaron Rosales** and **Cindy Lloyd** and her e-mentee **Lakeicha Dawson** spend time getting to know each other after communicating via e-mail messages during the school year.*

This year's program had many firsts. It was the first time two classes participated in the program, the first time the assigned teacher left the program to accept a position at another school, the first time a permanent substitute participated in the program, the first time communications were brought to a standstill due to an overwhelming number of "other messages" on the School District's server, and the

first time an e-mentor experienced the unexpected and sudden death of an e-mentee. Despite all of the challenges and struggles, e-mentees and e-mentors witnessed first-hand very important lessons in life; life is not always fair and it constantly presents



photo by Kurt Arnold

*Gregory Echtman and his e-mentor, **Jerry Shakal,** share some quality time and a laugh during an E-Mentoring Program face-to-face meeting.*

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Bridging the distance

cont. from page 10

obstacles to overcome. The e-mentors demonstrated patience and flexibility in addressing this year's challenges.

At a recent face-to-face meeting, e-mentors and their assigned e-mentees had an opportunity to meet each other in person and spend time getting to know each other. E-mentors in the outlying areas participated in the meeting through the use of VideoTele Conferencing equipment. The e-mentors participated in the short program and were able to converse and see their Las Vegas e-mentees.

"Participating in the E-Mentoring Program with the students from Jim Bridger Junior High School was a rewarding experience for me. I hope that the students can carry the lessons learned from participating in this program and apply them throughout their lives and with the hope that they will become mentors someday," **Mark Bouscaren**, second year e-mentor.

This year's e-mentors included **Michele Antuney, Yvonne Arreguin, Michelle Ashworth, Vickie Baker, Jann Bisterfeldt, Carrie Johnson-Booker, Mark Bouscaren, David Bowman, Allison Brinkmeyer, Tamiko Brown, Brenda Carter, Glenda Cates, Kuan Chin, Doug Clark, Chloe Day, Thomas DePrizio, Douglas DeVore, Gregory Doyle, June Dunlap, Elizabeth Federmack, Michael Gibo, Melodie Gigo, Theresa Hatch, Elizabeth Hill, Ronna Hoesch, Kim Holton, Mike Izard, Mike Jones, John Kitt, Heather Leffler, Dawn Leo, Carolyn Lima, Cindy Lloyd, Terri Marotta, Savannah Mills, Stephen Mitchell, Amy Moore, Patrick Morris, Jennifer Morton, Shawn Muehlbauer, Ethel Mueller, Sandra Owens, Bill**

Parson, Alberta Patterson, Tonja Patton, Jane Ann Pete, Jennifer Politano, Kelly Quintana, Cheryl Rademacher, Angela Ray, Jan Renfro, Chris Reynolds, Andrew Riggs, Cindy Roragen, Inez Salcido, Jon Schumacher, Jerry Shakal, Barrett Shaw, Alice Shillock, Kathryn Skelley-Bird, Beverly Slater, Jennifer Sloane-Warren, Jacquelynn Smith, Pam Soper, Jerry Taylor, Nancy Tufano, Kathy Utiger, Heidi Utz, George Van Houten, Lorin Westlund, Sarah Yenglin, and Lisa Yeomelakis.

This was the second year that Bechtel Nevada participated in the Stay in School Mentoring Program. The number of e-mentees and e-mentors participating in this year's program doubled compared to last year's program. Simply stated, that means twice as many students had another adult role model in their life to provide support, encouragement, and friendship.

Several changes at Jim Bridger Junior High School will occur next year. **Milana Winter**, principal at Jim Bridger Junior High School, plans to modify next year's program to include two classes of sixth grade students. E-mentors would have the opportunity to interface with their e-mentee for three years. The school will also become a magnet school for science, math, and technology.

"With a new principal on board, two new teachers assigned to work the program, a new science academy in the works, and a renewed emphasis, I feel very confident this upcoming year will be a resounding success. I think we have the makings of a program where the mentors can really have a lasting impact on the lives of our students," **Michael Taylor**, program manager, Stay in School Mentoring Project.

If you are interesting in becoming an e-mentor or want additional information on the E-Mentoring Program, contact **Kurt Arnold, BN (702-295-5792).**

Nevada Employees Association supports the troops

by Kirsten Kellogg

As part of its continuing support to the community, the Nevada Employees Association (NEA) decided to focus its April fund-raiser on supporting the military troops deployed to the Middle East.

NEA purchased "God Bless Our Troops" lapel pins and sold them to employees for \$2 each. All of the proceeds went to the American Red Cross and are specifically earmarked to pay the postage on care packages being sent to the troops.

Within four hours of the first announcement, 185 pins were already sold. As of May 13, NEA had sold 1,850 pins and donated \$2,287.74 to the Red Cross.

Support from employees has been tremendous, and even though the war is over, there are still thousands of troops serving in the Middle East. NEA has 100 pins that have not been sold yet – that means another \$200 for care packages. If you are interested in purchasing a pin, please contact **Denise Ashurst** (ashurstd@nv.doe.gov) or **Justina Bowen** (bowenj@nv.doe.gov).

NEA would like to thank everyone who purchased pins and donated money. This effort would not have been a success without you!



WSI-NV presents ABCD Awards

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:

Bill Jarvey and Lt. **Rick Church** received ABCD Awards for their unwavering commitment in the coordination and involvement in a recent joint training exercise. The National Nuclear Security Administration, the national laboratories, Wackenhut Services Inc. - Nevada (WSI- NV), and the Las Vegas Federal Bureau of Investigation took part in an exercise, which was considered an unqualified success in providing real, usable lessons learned in interoperability among the organizations.

Recently, Capt. **Greg Stukes** took it upon himself to develop a new method of accountability and documentation control for the protective force operational load of ammunition that is consistent with regulatory mandates and good business practices, which resulted in Stukes receiving an ABCD Award for his efforts.

Lt. **Rick McKinney** performed exceptionally well as incident commander for the security emergency drill at the U1a complex and during the joint training exercise with the FBI.

McKinney was presented an ABCD Award for his outstanding achievements during the drills.

An ABCD Award was presented to Lt. **Barry Sephas** for his efforts in trying to involve bargaining unit employees in community outreach and TEAM WSI activities. He continues to talk to everyone who will listen about the benefits of these two employee-driven programs while promoting company programs.

Luci Fila received an ABCD Award for the support she provided to National Nuclear Security Administration Nevada Site Office's safeguards and security division (SSD) during Bechtel Nevada and WSI-NV security surveys. With very little advanced notice, Fila assisted the SSD contact with scheduling dates, times, and getting him to the various offices. Her excellent rapport with the contact also resulted in potential findings or observations becoming immediate corrective actions.

Ivory Hughes, Barbara Doss and **Sandy Marshall** supported the *Bring Our Daughters and Sons To Work Day* by printing souvenir badges for the more than 100 children attending this year's event. This work was accomplished in addition to the many tasks they handle on any routine day, which is filled with last minute requests for access. All three received ABCD Awards for the outstanding contributions to the program.

Face-to-Face



Name: Audwin Whitmore
Employer: Bechtel Nevada
Title: Senior Procurement Specialist
Hometown: San Diego, California
Hobbies: Karaoke, sports, reading, Latin dance classes, nostalgic movies

WSI-NV reaches out to future generations

by Sheril Hamlin

Wackenhut Services Inc. - Nevada (WSI-NV) employees are nothing short of outstanding, especially when it comes to giving back to the community.

Several years ago the Community Outreach Committee (COC) was formed to identify organizations and programs within and surrounding the greater Las Vegas, Nevada area needing a helping hand.

The committee comprises employees from every level of the organization representing every faction of our team—from administrative personnel, to management, to the uniformed guard force. As word spread about the many projects and activities the COC was promoting or sponsoring, more and more team members began to involve themselves.

WSI-NV team members have assisted many organizations in the Las Vegas area including: The Salvation Army, Catholic Charities of Southern Nevada, and the United Way of Southern Nevada. One of the favorites of the employees is the Clark County Children’s Advocacy Center’s annual Stuffed Animal Drive for the Sexual Abuse and Investigative Team (SAINT).

SAINT is responsible for investigating all reports of child sexual abuse in Southern Nevada and surrounding areas. Because of the traumatic and stressful conditions associated with these investigations, SAINT attempts to provide each child questioned with a stuffed animal to help alleviate some of the stress experienced by the child. A little something to hug, or provide comfort, during a dismal time in some children’s lives—a time no child should honestly have to experience.

Partnering with Quannah McCall Elementary School, an inner city at-risk school, located in the heart of North Las Vegas has become the primary focus of the COC and WSI-NV team members. Over the years volunteers have

assisted with Nevada Reading Week, volunteered at the school during their various events, and donated backpacks and school supplies. Our most recent drive resulted in purchasing library books to update the science collection in the school library. COC team members set a goal of earning \$1,000, obtained permission, jumped into action, and began selling clothing containing the WSI-NV logo. It took some time, but the goal was finally reached and Quannah McCall now has a much-needed up-to-date collection of science books for the children to enjoy.



One of the WSI-NV employees’ favorite programs is the Clark County Children’s Advocacy Center’s Annual Stuffed Animal Drive for the Sexual Abuse and Investigative Team (SAINT). Employees donate stuffed animals so that children have something to hug, or provide comfort, during a stressful time in their lives.

Whatever endeavor WSI-NV team members chose to tackle next, you can bet the challenge will be met head-on. Our great community will reap the benefits from the multi talented workforce that is WSI-NV. Each employee is better from the experience.

Face-to-Face



Name: Michelle Meade
Employer: Shaw Environmental
Job Title: Public Affairs Specialist
Hometown: Fremont, California
Hobbies/
Interests: Photography, traveling, cooking, and trying new restaurants



Bechtel Nevada honors teachers

by Linda Middaugh

To demonstrate an appreciation for teachers and school support staff, Bechtel Nevada honored these dedicated professionals during Teacher Appreciation Week, May 5-9, 2003. The two Focus School partners were treated to celebratory luncheons and heartfelt thanks for their dedication in educating our future leaders.

Kit Carson Elementary School

"Thank You Bechtel Nevada for Helping Us Grow," read the poster that greeted Bechtel Nevada employees as they entered Kit Carson Elementary School's teachers lounge. Bechtel Nevada provided lunch as a way of thanking them and to show appreciation for their hard work.

Yvonne Arreguin and **Tonja Patton**, Bechtel Nevada employees and volunteer readers, joined the teachers and staff for an Italian lunch. Students had made the poster and a gigantic thank you card to show their appreciation of their Focus School partner. The poster and card are currently on display at the North Las Vegas complex in the C-1 second floor hallway.

Jim Bridger Junior High School

On May 5, Bechtel Nevada honored Jim Bridger Junior High School's teachers and staff during a Cinco de Mayo feast.

Representatives from Bechtel Nevada, including **Alice Shillock** and **Carrie Booker**, Bechtel Nevada employees and volunteer readers, had lunch with Jim Bridger's teachers and staff and let them know how much they are appreciated.

Back-to-School supply drives

by La Tomya Glass

The new school year is right around the corner for students and teachers at our Focus School partners. Let's make this year a little brighter for returning students, by donating school supplies.

The National Nuclear Security Administration, Nevada Site Office is partnering with Wackenhut Services Inc. - Nevada to provide school supplies to Quannah McCall Elementary School. The drive is schedule for July 28 through August 22, 2003; a collection box for school supply donations is located in the Nevada Support Facility lobby.

Quannah McCall Elementary students are in need of the following supplies:

Pencils
Erasers
Pencil Boxes

Paper - Loose Leaf
Rulers
Crayons

For additional information about the school supply drive, contact **Elizabeth Donnelly, NNSA/SC (702-295-1640)**, **Sharil Hamlin, WSI-NV (702-295-0804)**, or **Leilani Peters, NNSA/NSO (702-295-7030)**.

Bechtel Nevada's Focus Schools are Kit Carson Elementary and Jim Bridger Junior High Schools. The school supply drive will run from July 14 to August 22, 2003. Collection boxes are located in North Las Vegas on the first floor of C-1, inside the breakrooms in building A-13 and inside the Stockpile Stewardship office, Cheyenne Facility's second floor lobby, Remote Sensing Laboratory - Nellis' lobby, at the NTS in the Mercury Cafeteria, building 117 in Mercury, and at the reception desk in Area 6, building 6-900.

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Pahrump's Relay for Life

by Mitzi Sears

Relay for Life is a celebration to honor cancer survivors and a memorial to those we lost to the disease. Beginning at 6:00 p.m. on Saturday, August 9 to Sunday, August 10 at 9:00 a.m., Pahrump will participate in an overnight celebration of life.

Relay For Life is a fun-filled overnight event designed to celebrate survivorship and raise money for research and programs of the American Cancer Society. During the event, teams of people gather at schools, fairgrounds, or parks and take turns walking or running laps. Each team tries to keep at least one team member on the track at all times. Participants pledge to give one night as a symbolic demonstration that cancer does not sleep; cancer affects lives around the clock. Teams and team members are needed to participant in this celebration of life and hope. If you want to participate in the fund-raising celebration, contact **Paula deLespinasse, BN (702-295-9385)**.

Relay For Life represents the hope that those lost to cancer

will never be forgotten, that those who face cancer are supported and that one day, cancer will be eliminated.

Did you know?

Relay for Life is the single largest activity of its kind in the United States with more than 2.25 million participants raising \$246 million.

Thousands of promising researchers have discovered many of cancer's secrets because of contributions to the American Cancer Society. Of these scientists, 32 have been awarded the Nobel Prize. Their work has helped improve the treatment and quality of life for cancer patients.

Sixty years ago, only one in five cancer patients survived. Today, more than half of the people with cancer will survive the disease.

Face-to-Face



Name: Jamie Curry

Company: NNSA Service Center

Job Title: Management and Program Analyst

Hometown: Las Vegas, Nevada

Hobbies/
Interests: Reading, traveling, cooking, Tae-Bo, skydiving, and tutoring students at the Maranatha Academy

Face-to-Face



Name: Scott Richardson

Employer: Wackenhut Services Inc. - Nevada

Title: Information Systems Network Specialist

Hometown: Santa Rosa, California

Hobbies/
Interests: Computers, astronomy, and movies

Back-to-School supply drives

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For additional information about the drive, contact **La Tomya Glass, BN (702-295-1134)**.

Your donations may qualify as a tax deduction, contact the coordinators listed above for further details. Please keep in mind that the supplies in your desk drawers and supply cabinets are government property and **cannot** be donated.

Needed supplies for both schools are listed below:

<u>Kit Carson Elementary:</u>	<u>Jim Bridger Junior High:</u>
Pencils	Pencils
Erasers	Pens
Paper - Notebook paper	Erasers
Rulers	Paper - Loose Leaf
Crayons	Rulers
Backpacks	Spiral-Bound
Notebooks	Art supply paints
Folders	
Glue	
Backpacks	
Unlined drawing paper	
Colored pencils and markers	
Children's scissors	
Construction paper	

Health Check: Are you a hay fever sufferer?

Seasonal Allergic Rhinitis (hay fever) is a reaction to pollen or fungal spores, which cause inflammation of the nasal lining. Pollen is released into the air when a plant flowers. Pollen light enough to become airborne is the cause of the problem for most hay fever sufferers.

These airborne pollens can penetrate anywhere, indoors and out, and are most numerous at the height of the pollinating season for the particular plant. The most common trigger of hay fever in the United States is ragweed.

Hay fever varies from mild forms to a severity that is crippling. During the season, some sufferers may be unable to work or drive. The most common symptoms are runny nose, repeated sneezing and watery, itchy eyes. Other symptoms include itching of the nose, throat, mouth and ears, or other ear problems. In addition, breathing difficulties at night may interfere with sleep due to obstruction of the nose.



Hay fever is usually hereditary, so as summer approaches, be prepared:

- Apply petroleum jelly inside your nose to create a barrier to trap pollen and prevent an allergic reaction for occurring;
- Wear wraparound sunglasses to help stop pollen from getting into your eyes;

- When pollen levels peak early in the morning and evening, try to stay indoors and keep the windows closed;
- Shower and wash your hair prior to retiring for the evening;
- Change your pillowcases regularly to help reduce the exposure to allergens during sleep.
- Pay attention to the pollen count for your local area;
- Have someone else mow your lawn.

Medical treatment is available to anyone suffering with hay fever. Talk to your physician about treatments for hay fever or other allergies. Do not let hay fever season ruin your summer.

Reprinted with permission from Bechtel's Civil Health, Safety & Environmental newsletter

Lessons Learned

New Lessons Learned orientation module available

by Dawn Starrett

Lessons learned are one way to address the Feedback and Continuous Improvement function of the Integrated Safety Management System.

New employees may not recognize the importance of lessons learned to current and future activities. They also may not understand how lessons learned are captured and shared within their organization. To assist new employees in understanding lessons learned, a new Lessons Learned Orientation Module was developed by the Society for Effective Lessons Learned Sharing.

The module discusses the value of lessons learned and pro-

vides examples of how lessons learned have been successfully used throughout the U.S. Department of Energy (DOE), NNSA, and contractor organizations. The module is tailored to include information from each organization to facilitate understanding of how lessons learned are captured and shared. The module is an excellent resource for introducing lessons learned to new employees or providing refresher training for seasoned employees who want to improve their use of feedback

If you are interested in obtaining a copy of the module, contact your organization's Lessons Learned point of contact or **Dawn Starrett, Site Lessons Learned Coordinator (702-295-4297)**.

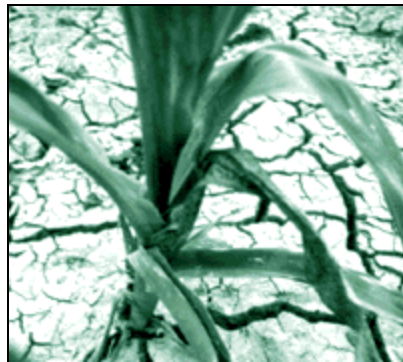
Southern Nevada losing precious resource

by Kurt Arnold

Escalating populations in southern California and southern Nevada, combined with a lower than average rainfall and snowfall amounts, has put southern Nevada's water supply in a perilous condition.

The water supply, which brings life to our booming desert community, is in jeopardy of becoming a scarce commodity. The early spring rainfall and snow storms in the Rocky Mountains have had little impact on elevating the water level in the Colorado River, which pools behind Hoover Dam to create Lake Mead. According to the Southern Nevada Water Authority, Lake Mead's water level has dropped more than 60 feet and is expected to drop further. The Colorado River system is facing its worse drought on record.

To ensure that the Las Vegas Valley has enough water during this drought period and in the future, the Southern Nevada Water Authority and its member agencies have developed a drought plan. The drought plan consists of four phases of drought conditions: no drought, drought watch, drought alert, and drought emergency.



No Drought Implies that water supplies from the Colorado River are sufficient to meet southern Nevada's needs.

Drought Watch There is a 50 percent chance that the Bureau of Reclamation will declare a partial domestic surplus operating condition in their next official declaration. Under that condition, only half of Nevada's Colorado River consumptive use demands of more than 300,000 acre-feet can be met. Drought Watch is the lowest drought level for demand management purposes in southern Nevada.

Drought Alert A partial domestic surplus has been declared by the Bureau of Reclamation (BOR) or there is more than 50% chance that the BOR will declare a "normal" operating condition in their next official declaration. Under this stage, only half of Nevada's Colorado River consumptive use demands of more than 300,000 acre-feet will be met, with the potential further reduction in water availability to Nevada's basic Colorado River consumptive use apportionment of 300,000 acre-feet. Drought Alert is the second drought level for demand management purposes and represents a serious condition.

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Southern Nevada losing precious resource

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Drought Emergency

This stage implies that a "normal" operating condition exists; however, this is actually the most severe drought level for demand management purposes. Under this stage, customer demands can only be met to the level of Nevada's basic apportionment of 300,000 acre-feet or some lesser amount to be defined by the circumstances. The Southern Nevada Water Authority will be assisted by a citizen advisory committee in developing Drought Emergency measures.



Currently, Southern Nevada is under a Drought Watch. Residents can help stretch the water supply by reducing their water consumption. The Southern Nevada Water Authority offers the following water-savings tips:

- Water appropriately - During the summer months (May, June, July, and August) your lawn should receive water for four minutes, three times a day, and seven days per week. Plants and gardens should receive water 12 minutes each day (depending on the type of plants), once a day, and three days per week.
- Plant grass only where it's used - Consider replacing your lawn with xeriscape (landscaping with desert plants which require less water). Residents can qualify for Southern Nevada's Water Authority Water Smart Landscapes rebate.
- Indoor retrofit - Homes built before 1989 were not required to have low-flow fixtures (toilets, bathroom and kitchen fixtures). Replace these older fixtures with newer water-saving fixtures.
- Only run the dishwasher when it is completely full. Use the water-level settings for the most efficient run.
- Turn the water off when brushing your teeth.
- Check all faucets for leaks. Little drips can add up

to gallons. Replace the faucet's washer as soon as you hear or see a steady drip.

- Only wash full loads of clothes to save water and energy. Use the water-level setting for the most efficient cycles.

For additional information on water conservation or about the status of your drinking water, check with your local water utility. Residents in southern Nevada wanting information on the drought or additional information on conserving water, can visit the Southern Nevada Water Authority's Web site (www.snwa.com).

If you have ideas for reducing waste or recycling or want additional information about pollution prevention, contact **Al Karns, BN (702-295-5689)** or **Dodie Haworth, BN (702-295-0656)**.

Did you know?

Lake Mead's water level determines the drought phase.

In the summer, residents use up to 90 percent of their drinking water outdoors.

Residents living in Las Vegas, Henderson, and areas of unincorporated Clark County are prohibited from using water for outdoor irrigation between **noon and 7:00 p.m.** from **May 1 to October 1**.

North Las Vegas residents are prohibited from watering outdoors between **11:00 a.m. and 7:00 p.m.**

Afternoon is the hottest time of the day and water evaporates quickly during these hours.

Watering in the early morning hours will allow your yard and garden to absorb more water. Consider the cycle and soak method. If you water your lawn three times for four minutes each, your lawn will actually absorb more water than if you let the sprinklers run for 12 minutes straight.

Moist soil allows water to travel even deeper, creating a healthier lawn.



MILESTONES

Bechtel Nevada

45 years *Special Technologies Laboratory - William Quam*

40 years *Las Vegas - Joseph Mulhall; Nevada Test Site - Stephen Trupp*

35 years *Las Vegas - Betty Becker; Nevada Test Site - Kenneth McGlothlin*

30 years *Las Vegas - Richard Day, Don Palmer; Nevada Test Site - Joseph Calovini*

25 years *Las Vegas - Bruno Diminich, Theresa Jones, Paul Kruger, Edward Laner, Robert Peppard, Frances Tackett, Darrell Turner; Nevada Test Site - Margaret Townsend, D. L. Whittington*

20 years *Las Vegas - Eric Euffa, Norman Hobson, Jeanette Matthews, David McDonald, Shari Morrison, Laura Renfro; Nevada Test Site - Walter Wolak; RSL - Andrews Operations - Leland Komich*

15 years *Las Vegas - Elaine Boyd, Elsie Gorden, Kelly Meurrens, Charles Schaefer, Paula Warren, William Willis, Claire Yared; Nevada Test Site - Derrel Carter, William Hodges, Gilbert Medina, William Ostler, Bruce Oxborrow, Wendy Rajm, W. B. Sutherland Jr., Clarence Woo; Special Technologies Laboratory - Glen Anthony, Gilbert Chavez*

10 years *Las Vegas - Virginia Bautista, Donald Kuhl, Philip Ralphs; Nevada Test Site - Linda Dunn, Paul McKinney, Robert Skier*

5 years *Las Vegas - William Allen Jr., Dennis Banto, Michael Baumert, Michael Bridenburg, Kamechia Coltrain, Daniel Crookshanks, Judith Doran, Bonnie Foster, Jean Heintzelman, Craig Kastner, Richard Loney, Lorraine*

Mosca, John O'Donaghue, John Pelles, Patrick Whitely; Nevada Test Site - Boyd Anderson, James Anderson, William Ashmore, John Brown, Kevin Campbell, Coates Cobb-Adams III, Steve Dyson, Danny Ellis, Roger Henry, Craig Kemnitz, Donald Mills Jr., Charles Nance, Steve Norton, Larry Thompson, Alfred Ogurek, Sylvia Salazar, Larry Satzman, Jerry Thomas, James Traynor, Judy Trump, David Vasquez, Frances Whitscell; Special Technologies Laboratory - Wayne Lenhard; Livermore Operations - Russell Bellamy, Troy James, Russell Knight Jr., Kendrick Liu, Stephen Patton, Brendan Riordan, Elizabeth Silbernagel

New Hires

Las Vegas - Caroline Allen, Brian Barbero, Ryan Bellow, Taren Bowen, Amarporn Chokmee, E. Faon Cobb, Keiona Corbin, Sean Crawford, Jason Davis, Daniel DiLorenzo, Linda Dorsey, Richard Dunbar Jr., Amanda Ellsworth, Ryan Emmitt, Cynthia Fuller, Mrityunjay Ghosh, LaTomya Glass, Hilda Guerrero, Deborah Jackson, Shalin Mehta, Michelle Miller, Philip Monette, Willaim Muraoka, Marlena Murray, Michelle Musick, Thomas Noble, Tyrel Otteson, Yulonda Paige, Elizabeth Palagi, Craig Palmer, Mark Pappalardo, Deborah Payne, Michael Payne, Trinity Payton, Paul Raglin, Jeff Reed, Mary Roberts-Adams, Lawrence Robbins, Nathan Sipe, Patrick Smith, Jason Smylie, Shawn Spendlove, Rita Starnes, Allison Stringer, Asa Sudderth, Susan Tang, Gricel Vega, Clarisol Villanueva, Patricia Webb, Connie White Yelder, John Zombro; Nevada Test Site - John Archer, John Berge, Veronica Bovee, James Cappelletti, Terri Corlett- MacDonald, Christina Davison, Peggy Ebbenga, Brent Egbert, Nancy Etheridge, Jerry Freter, Lynn Hall, Sharon Hamer, Micah Kalscheur, Gary Klein, John Langendorf, Aaron Leavitt, Francisco Loza, Burt Miller, Dwayne Myrick, Federick Nawrocki, Craig Ochs, Violet Szczepkowski, Kathryn Umbarger, Consuelo Willson, Kevin Woolverton, ; Los Alamos Operations - Bart Briggs, David Glass, Shanie



cont. from page 19

US Geological Survey

20 years **Barbara Lewis**

Lucero, William Parks, Newell Ramsey;
Livermore Operations - Imants
Reinbachs, Peter Torress III; *Special*
Technologies Laboratory - Scott
Anderson, Matthew Bixby, Kieran Cox

Wackenhut Services Inc.

15 years **Michael Ebert**

5 years **Michael Desilets, Louise Keathley,
George Lozoya, Craig Nangle, Kathleen
Nangle, Gus Redding**

National Nuclear Security Administration Nevada Site
Office

35 years **Mitchell Kunich, Madonna Tilman**

30 years **Gary Snodgrass**

25 years **Deborah Chalko, Sara Rhoades**

20 years **Clayton Barrow, Sandra Cross,
Leonard Owens**

15 years **Leilani Burke**

10 years **Travis Pullen**

Shaw E & I

10 years **Kenneth Rehfeldt**

5 years **Heather Emmons, James Watrus**

Los Alamos National Laboratory

5 years **Michael Taylor**

Sandia National Laboratory

35 years **William Kluesner**

Ruchman and Associates, Inc.

5 years **Michael Brown**

Team CNSI

5 years **Maria Gudewicz, Lee Huffington,
Brandon Jautaikis, Robin Plattner**

— Compiled by Tamiko Brown

CALENDAR OF EVENTS

July 31- August 1

Southern Nevada Hispanic Employment Program's 2003 Annual Regional Training Conference and Employment Expo. MGM Conference Center, Las Vegas, Nevada. Contact **John Medina, BN (702-295-2232)**.

August 9-10

Relay for Life. Pahrump High School, Pahrump, Nevada. Relay begins August 9 at 6:00 p.m. and ends August 10 at 9:00 a.m. For additional information and registration, contact **Mitzi Sears, BN (702-295-7828)**.

August 12

Energizers Toastmasters club meeting. Pioche Conference Room (C205), Nevada Support Facility. Contact **Alice Shillock, BN (702-295-5581)**.

August 13

Community Advisory Board meeting. Pahrump Nuggett Hotel and Casino-Convention Center, 681 South Highway 160, Pahrump, Nevada. Public meeting begins at 6:30 p.m. Contact **Kelly Kozeliski, NNSA/NSO (702-295-2836)**.

August 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)**.

August 26

Energizers Toastmasters club meeting. Pioche Conference Room (C205), Nevada Support Facility. Contact **Alice Shillock, BN (702-295-5581)**.

September 1

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

September 9

Energizers Toastmasters club meeting. Pioche Conference Room (C205), Nevada Support Facility. Contact **Alice Shillock, BN (702-295-5581)**.

September 23

Energizers Toastmasters club meeting. Pioche Conference Room (C205), Nevada Support Facility. Contact **Alice Shillock, BN (702-295-5581)**.

September 24

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)**.

October 22

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

July 20-24

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

September 14-17

The Academy of Certified Hazardous Material Managers 2003 National

Conference. The Fairmont Hotel, Dallas, Texas. For additional information, visit www.achmm.org/achmmnew.

September 21-23

PMI Global Congress 2003 - North America. The Baltimore Convention Center, Baltimore, Maryland. For additional information, visit www.pmiglobalcongresses.fusionproductions.com.

November 12-15

Civil Engineering Conference and Exposition. Gaylord Opryland™ Resort and Convention Center, Nashville, Tennessee. For additional information, visit www.asce.org/conferences/annual03/.

November 15-19

International Association of Emergency Managers' 2003 Mid-Year Meeting. The Rosen Centre Hotel, Orlando, Florida. For additional information, visit www.iaem.com/conferences.html.

Retirements

Douglas “Tony” Bufis - NNSA/NSO

James DeLong - NNSA/SC

Robert Furlow - NNSA/SC

Patricia Gill - BN

Tom Habermas - BN

Lee Keefer - BN

John Langendorf - NNSA/NSO

Rodger Liljestrand - BN

William Muraoka - NNSA/SC

James Owens - NNSA/NSO

Ken Partain - BN

Randolph “Randy” Rollins - NNSA/SC

Susan Stickel - NNSA/NSO

In Memory

Joe Mercadante, former contractor employee

Rudolph “Dan” Netski, BN



Published monthly for all members of the NNSA/Nevada Site Office family.

Kathleen A. Carlson, Manager, NNSA/Nevada Site Office.

Darwin J. Morgan, Director, Office of Public Affairs.

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