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Reengineering Update



Acting NNSA Administrator Linton Brooks says progress continues on the NNSA Reengineering.

“I am continuing to review the issues based on the excellent work done by

the Leadership Coalition (top managers from both the field and Headquarters), all of whom have been working so hard to help forge the NNSA of the future. Right now, I am focusing on the size of the various future components. I will send out tentative decisions shortly, after which we will meet with the leadership to review them. I am also spending a lot of time wrestling with the structure of the new Service Center(s). I know how

unsettling it is to have all of these decisions sloshing around; I want to get something out to you as soon as I can but: (a) I want it to be complete; and, (b) I want it to be right. Have patience and I will get something to you as soon as I can.

As I have told you, while we want to stand up the new organization in December, it will be almost entirely virtual at first; moves of people, where required, will take place over a period of perhaps 18 months or so. “◆

Red Storm Aids Stockpile Stewardship



Red Storm announcement L-R, SNL President Paul Robinson, Senator Pete Domenici, R-NM, Acting NNSA Administrator Linton Brooks, and Cray CEO Jim Rottsolek

The National Nuclear Security Administration's Sandia National Laboratories and Cray Inc. have finalized a multiyear contract to develop and deliver a massively parallel processing supercomputer for the Advanced Simulation and Computing (ASCI) program.

Named “Red Storm,” the supercomputer represents another step toward meeting the science-based simulation requirements of the Stockpile Stewardship Program.

Red Storm will be able to perform 40 trillion calculations per second and is expected to become operational in 2004. This system is expected to be seven times more powerful than Sandia's current ASCI supercomputer.

Secretary of Energy Spencer Abraham said, “Red Storm will serve the nation's security mission and be instrumental in assuring continued confidence in the nuclear stockpile.”



Acting NNSA Administrator Linton Brooks stated, “ ASCI's state-of-the-art computer simulations and supercomputers are fully utilized in our daily stewardship responsibilities. This next supercomputer is an important step towards extending our computational capability and meeting computing capacity demands of nuclear weapons stewardship.” ◆



Open Architecture Based Machine Modernization Team Front L-R, Todd Mills, Gary Johnson, Bill Gowing, and John Fines. Back L-R, FM&T Pres. Dave Douglass, Don Watson, Phil Alley, Ron Brockhoff, Rex Brown, Jackie Edwards, and Six Sigma Dir. Kevin Sternitzky. Not pictured Jimmie Moore, Dennis Casey and Don White.



Honeywell toolmaker Jerry Sawyer operates a high-precision lathe retrofitted with open-architecture controls

Six-Sigma Team Gives New Life to Old Equipment

A Kansas City Plant team used Six Sigma tools to find and implement a cost-effective solution allowing them to continue using aging lathes and mills.

The Team analyzed past machine failures to determine root causes, and then mapped out options for modernizing machines instead of replacing them. The process called for replacing existing numerical controllers with new, software-based, control-based systems.

"Most often, the problem isn't with the machine tools, it's with the

controllers. We can often refurbish the machines, then put PC-based controls on them," said staff engineer and team lead Todd Mills. "This gives us back our manufacturing capability and adds control systems that work well in a modern, integrated manufacturing environment. Not only do we give our customer more than they expected, we can do it for a very reasonable cost,"

The benefits of modernizing these machines: increased reliability making it

possible for operators to produce quality parts on schedule; maintenance and replacement part cost cuts; and improved machine accuracy by as much as 400%.

Over a seven-year period, with projected program life of 30 machines being modernized, cost savings are estimated at \$8.6 million.

This project resulted in the team being selected by the Excellence in Missouri Foundation to compete in the state finals of the Missouri Team Quality Award competition in mid-October in Jefferson City. ♦

DOE's 25th Anniversary



Secretary of Energy Spencer Abraham and four former Secretaries of Energy celebrated the 25th anniversary of the Department of Energy Oct. 8th at a ceremony at DOE headquarters. The event honored the department's employees, particularly the nearly 2000 employees who have been with DOE since its inception in 1977, and the accomplishments of DOE's 25 years of

service.

Joining Secretary Abraham at the celebration were the department's first Secretary, James R. Schlesinger (August 1977-August 1979); Secretary James B. Edwards (January 1981- November 1982); Secretary James D. Watkins (March 1989-January 1993); and Secretary Hazel R. O'Leary (January 1993-

January 1997).

The Department of Energy opened for business on Oct. 1, 1977. In the 25 years since its inception, the Department has enjoyed countless scientific achievements and technological successes, and has contributed to the United States national security.

For more information on DOE's anniversary, go to www.25yearsofenergy.gov. ♦

Ceremony Returns Land to San Ildefonso Pueblo



San Ildefonso Pueblo Governor John Gonzales, right, shakes hands with Office of Los Alamos Site Operations Manager Ralph Erickson, during a transfer ceremony last Friday at San Ildefonso Pueblo. Gonzales is holding a key symbolic of

the transfer of about 2,100 acres of land to the nearby pueblo previously used for Department of Energy operations. Next to Erickson is Dennis Martinez, OLASO deputy manager, and former San Ildefonso Pueblo Gov.

"It is a very historic day

for San Ildefonso Pueblo," said Gonzales. "This transfer is regarded as a return of ancestral home lands."

Perry Martinez. The land is located at Technical Area 74 near the "White Rock Y" at the intersection of NM 502 and NM 4. ♦

Weapon Intern Program – Limited Life Components

Many of the original generation of scientists and engineers with weapons design, production and test experience have already retired. Many more will retire within the next decade.

“Our weapons engineers and scientists are the most vulnerable limited-life component in the stockpile stewardship program. We must prepare the next generation to assume this role using our experienced weaponeers to transfer the knowledge about the stockpile while infusing modern, science-based technologies into our work,” the announcement for the first Weapon Intern Program class read.

The Weapon Intern Program assures the National Nuclear Security Administration and Department of Defense will retain the knowledge and legacy of these great weaponeers.

A host of challenging courses are the backbone of this remarkable program – fundamentals, broad and deep covering such subjects as nuclear weapon design, arming fuzing and firing, nuclear surety, systems engineering, underground testing methods, and state-of-the-art computer modeling.

“The first year of learning is like the mile wide and a foot deep concept,” NNSA Albuquerque Graduate Nazir Kahlil said.



“The second year you took the deep vertical slice; the program research on any weapon topic or concept going as deep as you would like.”

The Program, originating in 1998, is the intuitive effort of Sandia National Laboratories’ Andy Rogulich and John Hogan.



Hogan (above) is a Defense Program senior scientist in charge of the academic side of the program and its accreditation.



Rogulich administers and manages the Program and was a design engineer with the Aircraft Compatibility department. Their foresight and ingenuity brought together the best weaponeers from the past, present and future into a program the Chiles Commission calls one of the best programs

within NNSA to train the next generation of stockpile stewards.

The Program admits only a limited number of students in each class; DOE is allotted two student slots, the USAF gets two, Kansas City Honeywell FM&T get two and the balance go to Sandia.

Gabriel Pugh and Sharon Arp with NNSA Albuquerque have been competitively selected for this year’s Sandia Weapon Intern Program.

Three classes of graduates are presently serving in the stockpile stewardship program. With a change in the Weapon Intern Program from two years to one, Classes four and five will both graduate in 2003 bringing 30 more future weaponeers into the ranks to “think about new attributes, new philosophies, new uses, new arms control methods, ponder intelligence data and make sense of it,” General Haeckel said.

NNSA Albuquerque Graduate Jay Pape put it this way, “The weapons complex needs this program, DOE needs this program, and America needs this program!” ♦



Jay Pape



Brig. Gen. Ronald Haeckel, NNSA Prin. Asst. Dep. Adm. for Military Application addresses the 2002 Weapon Intern Program Graduates



Graduates receive this commemorative coin



Each WIP class designs a class logo. The first graduating class logo (above left) is now the program logo. Above right is the 2002 Class logo and right is the 2003 Class logo



AL’s Sharon Arp (green dress) and Gabriel Pugh (red sweater) take notes during a WIP lecture

National Disability Employment Awareness Month

Our annual observance of National Disability Employment Awareness Month allows us to reflect upon and consider the potential possessed by the millions of Americans with disabilities who currently serve in our work force, as well as those who are ready and willing to join the work force. We recognize and salute the skills, creativity, and dedication of working people with disabilities and take appreciative note of their commitment.

The 2002 observance theme is "New Freedom for the 21st Century," which

builds on President George W. Bush's New Freedom Initiative. The cornerstones of this initiative are to increase access to technology, expand educational and employment opportunities, and promote increased participation in community life for Americans with disabilities.



Ms. Randy Mascorella, Executive Director for the Special Olympics of New Mexico, presented a talk to NNSA/AL employees October 17. She stressed that

encouragement goes both ways.



"For the last 13 years I have worked with the athletes of the Special Olympics and I can say that they have taught me more than I have known before," She said. Mascorella has devoted her career to impacting people's lives through sports. As Executive Director of Special Olympics since 1992, Mascorella has been responsible to the athletes and volunteers of Special Olympic.



"We can no longer accept the continued existence of barriers, whether physical or social, that unreasonably prevent persons with disabilities from full integration into our society."

Hispanic Heritage Month Chile Cook-Off



Nancy Hogan guards her winning recipe

On Oct. 2, the AL Hispanic Employment Program (HEP) Council sponsored its Annual Chile Cook-Off. The event included a visit from Dr. Tom Chavez, Director, National Hispanic Cultural Center in Albuquerque.

category and Nancy Hogan, OEO, won the green chile award for the second year in a row.

"Everything was very close," said Judge Joel Baca. "It was very hard to make a decision this year. I like my salsa hot and they were all hot. It was a tough competition!"



With the Chile Cook-Off over Chavez made his presentation to those gathered. "I want people to know that their country's history is richer than they thought," said Chavez. "Hispanics are

an important part of that history. Hispanics and non-Hispanics should take pride in what their families have given in service to this country. We have a rich history and we need to know that this country was borne of many different people." ♦

Prior to a presentation by Dr. Chavez, an esteemed team of judges considered the entries in this year's Chile Cook-Off.

The winner of the salsa competition was Manny Salazar, AFSC. Gabe Pacheco, AFSC, was the winner in the red chile



Gabe Pacheco (left) and Manny Salazar savor their wins

Kirtland Operations Associates Help At-Risk Youth

Kim Linder talks to girls in the YWCA Goals for Girls



Engineer Kim Linder and senior planning specialist Ruth French volunteer as guest speakers for the YWCA Goals for Girls career speaker program.

Goals for Girls bring together successful career

men and women with at-risk teenage girls to discuss their careers and the keys to setting and achieving career goals. The program helps girls choose careers that best match their interests and abilities.

Many of the girls who have attended the program express appreciation that someone would take the time to speak to them. Linder and French feel they are the ones who are reaping the rewards of the program. ♦

CFC 2002 is Underway

Each year private and public organizations across our Nation join together through the Combined Federal Campaign to raise funds for charities and public service institutions that have become an essential thread in the fabric of our country.

Through the Combined Federal Campaign individual contributions are pooled and support a

network of programs and services that get results -- promoting health and wellness, increasing self-sufficiency, strengthening families, ensuring safety and security, supporting education and literacy, and protecting our quality of life.

AL employees take part in activities that help promote the Combined Federal Campaign to help others in our community. ♦

AL Campaign Kick-off September 30



"I heard that -- Where's the food!"



Anne Beyke from the Animal Humane Assoc. talks to AL folks as Nimbus the wonder dog listens



MAKE A DIFFERENCE DAY OCTOBER 24



Surprise! Elena Gutierrez and Dan O'Shea lend a hand



Rich Navarez gets a Make A Difference makeover



Say Cheese... Sheila Rednose front left and Mary Nunez front right help package food



eve Goodrum spills some flour

◀ Roadrunner Food Bank ▲
Below F-R, Darlene Baca, Rosa Amparan, Lillian Retallack and Teresa Loschke take a break from clearing a path at the Piedra Lisa Open Space in Albuquerque



A photo break for the Cornucopia Adult Day Care group (Front L-R) Carolyn Holloway, Christine Roybal, Bernadette Martinez, Heather Holman (Rear) Ken Zamora, Mel Valenzuela, and Nancy Sheehan



esse Hewitt, Diana Roybal, Rosemary Cramberg, Sam Harris and Nicole Ristorto above, along with Marcos arcia and Gabe Pacheco (in hat) do a little records keeping at the Rio Rancho Family Health Ctr.



At Casa Esperanza Paul Chimah and Bill Dubuque left spread a fresh coat of paint while Tom Gutierrez, Lois Leisker and Harish Sharma discuss a plan of action



AL Labs Receive Pollution Prevention Awards



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We're on the Web:
<http://www.doeal.gov/opa/BTL.htm>

Sandia and Los Alamos National Laboratories each won two of the 13 2002 DOE Pollution Prevention (P2) awards.

The Sandia awards were presented to winning team representatives Ralph Wrons and Jimmy Romero in an informal ceremony at the AL office. ♦



Jimmy Romero (above left) receives the SNL Dedicated Contracts award for "Affirmative Procurement" and Ralph Wrons is presented the Institutionalizing Sustainable Design award for "Sowing Seeds for Change"



"I want to thank all the AL sites for their work and dedication toward P2 and waste minimization efforts over the years." AL Manager John Arthur

OKCSO Bake Sale Supports Kansas City Charities



Kansas City Plant associates donated baked goods and local businesses donated prizes for the raffle and silent auction.

Everything from Kansas City Royals tickets to a sand wedge autographed by Tom Watson highlighted the raffle.

Swope Ridge Geriatric Center provides long-term care services for elderly and disabled persons.

Operation Breakthrough provides services for children and families of the inner city of Kansas City, Mo. ♦



The seventh annual Office of Kansas City Site Operations (OKCSO) Bake Sale raised \$1,313 for Operation Breakthrough and the Swope Ridge Geriatric Center.

AL People...

A Big NNSA Albuquerque WELCOME TO!

CAROLE A. STONE, working as a Program Support Assistant in the Production and Project Management office at the Office of Kansas City Site Operations.

TOBIAS L. VELASQUEZ, an engineer working in the Office of Lab Operations at the Office of Kirtland Site Operations

JULIE K. JOHNSTON, a safety and occupational health specialist working in the Office of Transportation Safeguards

CONGRATULATIONS on your new assignments to Sharon D. Moya – OHRT and Bernadette Tohtsoni – OTS.

Style New Mexico 2002 Design Competition



Style New Mexico provides a venue to spotlight the state's design talent. Next Generation Economy, Inc.

(NextGen) working in concert with civic leaders and community businesses organize the competition. Award categories



include large and small jewelry businesses, home furnishings, and fashion. Winners were presented awards at a ceremony Sept. 20th at the Sheraton Old Town in Albuquerque. NextGen is part of the DOE Community Reuse Organization at AL. ♦

Milestones

*Years of Service
October 2002*

Albuquerque Operations Office:

Rex J. Borders-ESH (20), Alvin Harris-OTS (20), Steven S. Payne-ESH (20), Roberto A. Archuleta-OMOC (25), Harold E. Johnson-CBFO (25), Kathy R. Carrillo-BRMD (30), Gary L. Freeman-OTS (30), Steve Lopez-OTS (30), Elaine C. Randall-OHRT (30), Laverne E. Scott-PSD (30)

You are invited to join John Arthur and the AL senior managers at the Combined Federal Campaign Breakfast Nov. 6, Coronado Club, 7:15--8:45 a.m.

