

the
Y-12
times

A newsletter for employees and friends
of the Y-12 National Security Complex

WHAT'S INSIDE

Page 2

Tech Transfer rolls out container
technology

Page 2

Take the test that could save your life

Page 3

Partnering, preparing and confronting
nuclear threats

Pages 4 and 5

Day of Volunteering: a photo essay

Page 6

10 tips for stretching your dollars

Page 7

News and notes around Y-12

Page 8

Get discount tickets to the Secret City
Festival

Volume 9, No. 5

May 2009

www.y12.doe.gov/news/times.php

P.O. Box 2009

Oak Ridge, TN 37831-8245

B&W Technical Services Y-12, LLC, a partnership between
Babcock & Wilcox Technical Services Group Inc.
and Bechtel National Inc., operates the
Y-12 National Security Complex.

Managing Editors

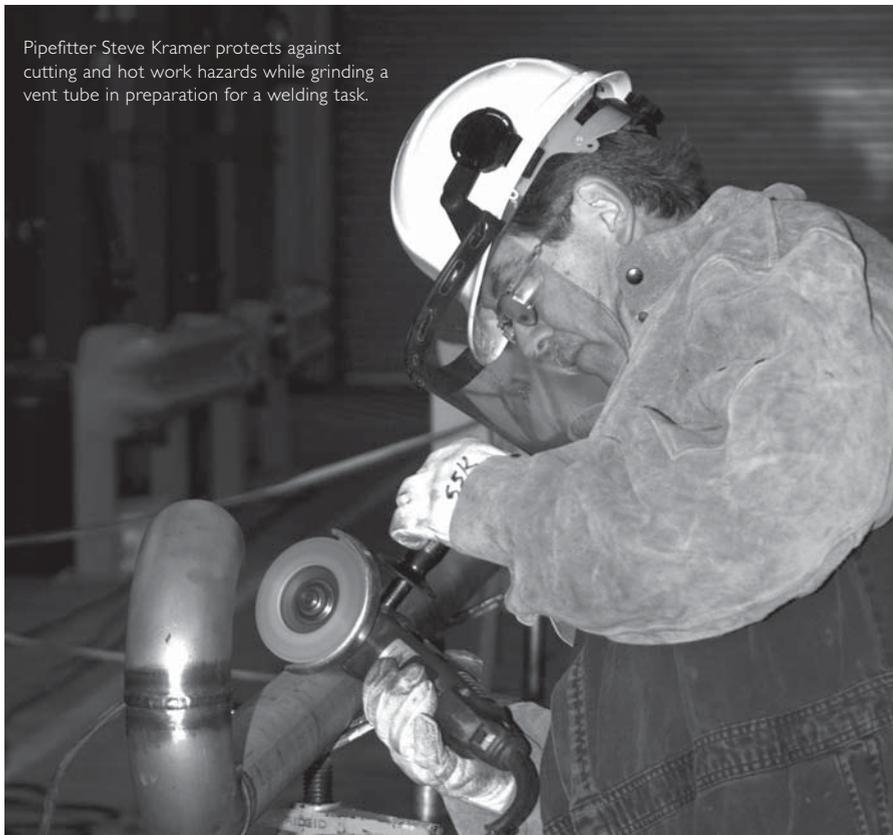
Amy Alley:
alleyab@y12.doe.gov
Heidi Spurling:
spurlinghw@y12.doe.gov
Layout/Design
Lisa Harris

Contributors

Ellen Boatner
Ken Davis
Cynthia Ensor
Kathy Fahey
Vicki Hinkel
Jamie Loveday

Cindy Moffett
Brett Pate
Gail Powell
Ray Smith

Pipefitter Steve Kramer protects against
cutting and hot work hazards while grinding a
vent tube in preparation for a welding task.



CONSTRUCTION leads way to Target Zero

According to B&W Y-12 Construction Manager Joe Kato and Construction General Superintendent Hal Livergood, "it's no accident" that Construction has had no lost-time injuries in the past 5 years.

In April, the Construction organization marked 5 years of achieving Target Zero. Five years equates to 2.65 million hours worked with no lost-time injuries.

Y-12's Construction organization employs union (craft) personnel under a Construction Labor Agreement between B&W Y-12 and the Knoxville Building and Construction Trades Council. Construction workers are oftentimes hired for a specific project, and the mix of the direct-hire Construction team is constantly changing. Training is especially challenging due to federal, state, local and Y-12-specific requirements.

Success in the safety arena is a credit to the joint efforts of the Knoxville Building and Construction Trades Council and B&W Y-12 Construction. These two organizations ensure work is completed by well-trained, skilled and safety-conscious personnel who embrace Y-12 safety programs.

Construction has 212 direct-hire craft and 57 non-manual personnel. The direct-hire craft perform a wide range of tasks from painting road signs to performing complex, high-risk tasks such as construction work on the Highly Enriched Uranium Materials Facility.

During the past 5 years, Construction's direct-hire craft have completed 200 projects and supported another 50 subcontracted projects important to Y-12 and the National Nuclear Security Administration. Craft workers safely completed the projects while engaged in some of the most hazardous work at the site.

Another score for Tech Transfer



Ken Gough (left) of Accurate Machine Products Corp. and Darrel Kohlhorst formalize the licensing agreement to sell ES-3100 shipping containers outside Y-12.

Y-12 and Accurate Machine Products (AMP) Corporation of Johnson City recently put their pens on paper to solidify a licensing agreement. The ES-3100 nuclear material shipping container, with an advanced fire-retardant insulation material used in Y-12's packaging for nearly 10 years, will now be available outside Y-12. Commercial nuclear processing companies, any non-U.S. government shippers of fissile radioactive material and other companies across the globe will be able to purchase these containers.

"This is a red-letter day for AMP," said Ken Gough, AMP president and general manager. "As a company of 40 employees, we're thrilled with the opportunity to work with Y-12."

"We've been getting requests from the outside to share the container, and AMP was the logical company to build the containers," said Jeff Arbital, program manager for the ES-3100. "Between 2005 and 2007, AMP built 950 ES-3100 containers for the U.S. Department of Energy using this advanced insulation material."

Three Y-12 employees invented the insulation material for use in fissile-material shipping containers, and through the technology transfer process, another long-term partnership has been established. "We have Jerry Byington (current employee), Matthew Feldman (former employee) and Raymon Oakes (retiree, now deceased) to thank for developing this technology," said Darrel Kohlhorst, Y-12 president and general manager.

"This partnership promotes economic development of the region, benefits the taxpayer by returning that technology to the private sector to gain profits and supports employee retention or hiring," said Tammy Graham of Technology Transfer.

A test that could SAVE YOUR LIFE

Thanks to an agreement the Atomic Trades and Labor Council (ATLC) has with Queens College and the U.S. Department of Energy, a free early detection lung cancer screening is available to employees who meet certain criteria.

"The good thing about this test," Steve Jones with the ATLC said, "is it's open to all Y-12 employees who meet the criteria."

B&W Y-12 is approving employees to use a one-time charge of up to 1.5 hours of time (charged to their division's medical burden code) for the screening as long as it is scheduled during their regular work shift. The time must be approved by the employee's supervisor.

"If tests like this can help people live longer, healthier lives, why not take advantage of it?" Jones said. "It is a CAT [computed axial tomography] scan machine, the doughnut-shaped one. It usually takes less than 30 minutes."

To find out if you meet the specified criteria, call 1-866-228-7226. The screening process takes place at the ATLC Union Hall (109 Viking Road in Oak Ridge).

"Screening is important," Dr. Otis Cosby of Occupational Health Services said. "Screening helps doctors discover masses or questionable areas early, allowing for better treatment outcomes."

For more information about free lung cancer testing, call 1-866-228-7226 or stop by the Occupational Health Services clinic or Benefit Plans for a brochure.

Alpha 1 sheds 2.4 tons per person WITH NO INJURIES

For two days last winter, personnel assigned to the Alpha 1 building approached their work areas with new eyes. No shred of paper or piece of machinery missed careful inspection for possible dispositioning.

The 2-day cleanup exercise was conducted to improve facility safety, appearance and environmental health and redistribution legacy excess. “The effort required both salaried and union personnel to work as a team to address all areas of the huge production facility—offices, process areas, break rooms and storage areas,” said Project Manager Brad Mattie.

With coordination and support from Radiological Control; Waste Management; Safeguards, Security, and Emergency Services; and Production personnel, an estimated 259 tons of materials were recycled, shredded and/or slated for permanent relocation. Items cleared out included scrap metal, containers of contaminated materials, chemicals, ballasts, scrap wood and excess office equipment. There were no injuries during the entire cleanup.

“Taken together, more than 2.4 tons of material were removed for every person who resides in the facility, and more than 543 tons have been removed this fiscal year from production facilities,” said Mattie. More than 889 tons of material have been removed from production facilities since cleanup started.

Now that Alpha 1 is cleaned up, workers will use the 7S process (sort, set in order, shine, standardize, safety, security and sustain) to get the facility organized. Experience shows the 7S process improves efficiency and productivity and creates a better work environment.

Partnership confronts nuclear threats

The nuclear threat is one of the greatest—if not the greatest—threats our country faces today. To secure our future against such threats, Y-12, Oak Ridge Associated Universities (ORAU) and Georgia Tech organized a meeting at Georgia Tech to share ideas about ways to transform the nuclear security enterprise to address 21st century security threats and engage help from “the outside.”

Gerald DeVault, director of Y-12’s Nonproliferation and Nuclear Security Programs, said, “A strong collaborative approach from NNSA [National Nuclear Security Administration], other government agencies, universities and industry is necessary to effectively address the threat. We cannot believe that any one lab, company or organization has all the solutions.”

With that heavy emphasis on a collaborative approach, the group’s goals are to examine the transformation of the nuclear security enterprise and its implications; understand the nuclear threats to better inform our response; exchange views on approaches to deal with the nuclear proliferation threat using technical, policy and diplomatic tools; and identify areas for future work.

Ted Sherry, Y-12 Site Office manager, presented the specific challenges and opportunities involved in Y-12’s transformation. “NNSA has recognized Y-12 as the ‘poster child of transformation.’ We have to continue our efforts to not only transform our site, but to transform the way we do business,” he said. “Our nation’s security will be determined by our ability to come together as a nation leveraging all of our resources.”



Logan Niles of Waste Management and Camill Snow of Radiological Control survey equipment and tools as part of the cleanup of Alpha 1.

// _____
NNSA has recognized
Y-12 as the
‘poster child of
transformation.’”

—Ted Sherry
NNSA Y-12 Site Office manager

Day of Vo



Brett Cederdahl (seated) and Dave Mosby prepare a lamp ballast for installation in an overhead light fixture at Knoxville Area Rescue Ministries (KARM). "KARM offers basic necessities and a message of hope to people who have fallen into the cracks of society," said Mosby. "It was rewarding to work directly with KARM clients and see the impact the organization makes in their attitudes and their lives."

Amanda Crumby (left) and Mary Radford crochet hats and booties for infants for Newborns In Need, Inc.—East Tennessee Chapter. "I was taught to crochet when I was a little girl by my mother, and it excites me to be able to use the skill taught to me as a child to help a child in need," said Radford. "As I crochet, I envision our babies wearing the colorful hats and booties. I have been blessed with three wonderful grandchildren, and it is very important to me to give back and try to make a difference in the lives of babies in need."



Bob Spaulding captures on film the work of Y-12 volunteers at the Volunteer Ministry Center. "The Day of Volunteering needs to be documented to tell the story of just a few volunteers and their experiences. It reminds people of the fun they had and prompts new volunteers to help out next year. I documented four Day of Volunteering projects and have learned that Y-12 is a giving family of friends, no matter what department they work in, looking out for each other and mostly their community!"

More than 620 employees and friends turned out to for this year's Day of Vol employees give their tim round to charitable orga dedicate a day of service wide Day of Volunteering of many," explained Pres Manager Darrel Kohlhor we get from involving our friends that shows we're bigger community. The c how much we at Y-12 ap the region."



Volunteering

12

es, their family members
o support 51 projects
unteering. Many Y-12
e and talent year-
nizations, so why have
? "We have a company-
g to show the power
ident and General
st. "It's the teamwork
ur spouses, kids and
a part of a much
lay also demonstrates
appreciate being a part of



Yolanda Hammond (left) and Gwen Childress worked at Valley View United Methodist Church to fill boxes with food items provided by Second Harvest. "We feel we are so blessed to be employed and be able to provide for our families," said Hammond. "There are so many people who need help, and we were grateful to have the opportunity to do just a little something that might show others that we care."



Jake White (with son Pete) spreads mulch at Ridgeview Group Home, a health care facility. "Ridgeview and other residential health care facilities are an important part of our community," said Tom Hayden, who worked with White. "I thought it was a great opportunity to join my co-workers in a project to contribute in some small way to our community," said Hayden.



Donna Sampson replaces an exit sign at the Michael Dunn Center. "I volunteer with the center because they do great work and provide an important service to our community," said Sampson.



John Ridley (squatting) and Mike Bullen install wooden planks to level picnic areas in Cosby in the Great Smoky Mountains National Park. The Y-12 crew replaced tables, installed aboveground grills and spread gravel. "My family has been a user of the picnic areas in the Smokies for years, and I thought it was time to give back," said Ridley on why he participated. "An enjoyable time was had by all."

Employees share money-saving tips

Whether planning a summer vacation or grocery shopping or eating out, employees are looking for ways to stretch their dollars. Y-12's Dale Hensley, Dorothy McInerney, Carol Self, Susan Treece and two employees who want to remain anonymous offer up their ideas for saving money when doing everyday tasks or having family fun on a budget. Ten more tips will be shared in the next issue of *The Y-12 Times*.

1 BUY FROZEN ORANGE JUICE RATHER THAN JUICE IN A CARTON.

Unless the carton in your refrigerator has "not from concentrate" printed on it, then it is from concentrate. Buying frozen orange juice is cheaper and more convenient—you can mix it yourself when you need it. D.H.



2

CUT COUPONS FROM THE SUNDAY NEWSPAPER WITH YOUR CHILDREN OR GRANDCHILDREN.

I do this with my granddaughters, who are 5 and 6 ½ years old. When I receive double off those items for which I used coupons, I split the savings with them. On a weekly basis, the girls earn an average of \$2 to \$4 that they then can save for a special request. Letting them pocket the savings is a great alternative to allowances at this age. They are eager to help, and it provides an opportunity to talk about healthy food selections and nutrition. D.M.

6

BRING YOUR LUNCH TO WORK INSTEAD OF EATING OUT.



If you now spend \$5 a day for a restaurant lunch, bringing lunch from home will save about \$1,000 yearly. Anonymous

7

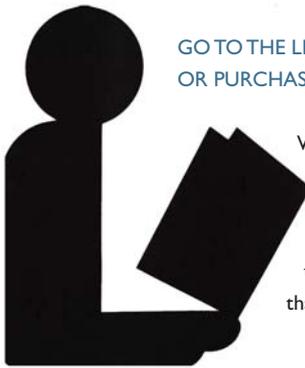
CONSIDER WHAT YOU CAN DO YOURSELF WHEN REMODELING.

Tile, painting and flooring can be opportunities for team building with your spouse as well as money-savers. D.H.

3 ORDER WATER TO DRINK WHEN EATING AT A RESTAURANT.

It's more healthful than soda and will save about \$2 per person. S.T.

4



GO TO THE LIBRARY TO CHECK OUT BOOKS OR PURCHASE THEM AT USED BOOK STORES.

When you pay full price for a book at McGhee Tyson Airport, you can return the book and get back 50 percent of the purchase price. Or the airport has previously read books that you can buy discounted. D.M.

8

IF YOU ARE A MILITARY FAMILY, LOOK FOR PLACES THAT GIVE MILITARY DISCOUNTS.

When planning a vacation, take advantage (if eligible) of military resorts.

You have to plan in advance, but the significant savings are worth it. C.S. Kenny and Madison Self (pictured at right) enjoy a dream vacation in Hawaii in 2007 without the usual expense. The Self family (Carol of Uranium Processing Facility Project Controls, Kenny of Transportation and Material Management and daughter Madison) stayed in a military resort, which saved hundreds of dollars in hotel costs.



5 SHOP LOCAL STORES THAT GIVE PERKS.

For example, stores that offer free gift wrapping not only save me money but also time. C.S.

9

SAVE TIME AND MONEY BY COMBINING MORE ERRANDS INTO ONE TRIP INSTEAD OF SEVERAL TRIPS.

Anonymous

10

GET YOUR PETS AT A PET-ADOPTION CENTER OR POUND. D.H.

Around Y-12 ...

- **The Emergency Services organization**—which is part of Safeguards, Security and Emergency Services—recently accomplished 750,000 safe work hours (over a 3-year period) without a recordable injury.
- **The Tennessee Valley Corridor Summit was held May 27–28** at Y-12's the New Hope Center. Y-12 has been an active participant in the Tennessee Valley Corridor regional partnership since its formation by Congressman Zach Wamp in 1995.
- **Three employees recently took top honors in the Administrative Professional of the Year Award.** Kimberly Leach of Programs and Quality won first place, and Sandy Travis of Engineering and Faye Ellis of Waste Operations and Integrated Facility Disposition Project shared second place. The awards are sponsored by the East Tennessee Leadership Chapter of the National Management Association.
- **Brigadier General Garrett Harencak visited Y-12 in May** for facility tours and briefings. Harencak is the principal assistant deputy administrator for military application in the Office of Defense Programs at the National Nuclear Security Administration.
- **President and General Manager Darrel Kohlhorst delivered the keynote address for commencement exercises May 9 at Roane State Community College.** Given a tough economy, what was his message to those entering the work force? "The graduates have shown the business community their worth investing in because they've invested in their education and themselves," he said.
- **Y-12 hosted a Department of Homeland Security (DHS) summit** at New Hope Center earlier this spring. "It's great for Y-12 to be recognized by DHS as a partner in working the challenging issue of supporting first responders. This event brought Y-12 capabilities to the forefront and potentially opens new opportunities to offer specialized training, operational testing and evaluation, risk management and technology sharing," said Barry Totten, Y-12's lead for assisting DHS to plan the event.

SERVICE ANNIVERSARIES

May

58 years

Production: James E. Thompson Jr.

42 years

Classification: Wendell W. Jones

40 years

Engineering: Lonnie E. Cochran

Projects: Samuel D. Babb

Resource Management: Bill A. Shipwash

35 years

Document and Property Management:

Jacqueline C. Corpening

Engineering: Walter A. McClanahan

Plant Services and Programs: Dartis F. Francis III

Quality Assurance: Linda S. Barringer

30 years

Document and Property Management:

Cassandra R. Bone and Claude H. Martin

Production: Michael F. Kirkland, Raymond A.

Perkins Jr. and William H. Wilkinson

Quality Assurance: Eric E. Angros, Mark A.

Hopkins and Richard E. Slagle

Waste Management: Cindy F. Hartsell and

Cynthia C. Jones

25 years

Applied Technologies: Russell L. Hallman Jr.

Benefits Service Center: Phyllis J. Potter

Engineering: Frederick A. Page

Information Technology: Janet B. Bradshaw and

Mark W. Ward

Maintenance Execution: Willie J. Banks Jr.

Procurement Operations: Michael L. Ramsey

Program Planning: Rodney J. Bittner

Radiological Control: Eric D. Henderson

Resource Management: Howard L. Vandergriff Jr.

20 years

Budgets: Deborah B. Buchanan

Engineering: Robert M. Jessee

Information Technology: Debra L. Freeman

Manufacturing Operational Compliance: James D.

Yarber

Nuclear Materials Control and Accountability:

Bonnie B. Kirby

Production: Henry E. Barnes

Publishing Communications: Cynthia M. Ensor

Quality Assurance: Wade A. Rucker

Risk Management: Jeffrey W. Knott

In memoriam

Terry D. Hill, a program analyst, passed away April 18. She had 30 years of company service.

"Terry was always quick with a smile and ready to help where needed," said co-worker Brian Foster. "I am saddened to learn of her passing and know the friends she worked with have many special memories of her."

Katie Kanowsky, a market analyst in Business Development, passed away May 1. She had two years of company service.

"I always found it amazing how Katie could inspire just about anybody she met to start living their lives to the fullest," friend and co-worker Jessica Davis said. "She lived every day like it was a gift, but the greatest gift of all was how she touched the lives around her, including mine."

Danny M. White, a project manager, passed away April 27. He had 34 years of company service.

"Danny was a skilled machinist who worked for most of his career in manufacturing," said co-worker Duane Bias. "During the latter part of his career, Danny worked in the Oak Ridge Center for Manufacturing and Material Science as a consultant to small businesses about more efficient manufacturing methods. He will be remembered as a soft-spoken person with a keen ability to provide practical solutions to complicated problems."

Secret City Festival

June 19–20
Oak Ridge

(Sponsor discount tickets for B&W Y-12 employees available for \$10 each at the Oak Ridge Civic Center.)

secretcityfestival.com



P.O. Box 2009
Oak Ridge, TN 37831-8245

PRSRT
STD
PAID
U. S. Postage

Permit #36
Powell, TN

An inside look at Y-12

Behind-the-scenes tours of certain areas at the Y-12 National Security Complex will once again be a highlight of the Secret City Festival, named Festival of the Year by the Southeast Tourism Society. The festival will be held June 19–20 in Oak Ridge.

"This year, bring your family to the festival and show them Y-12," said Y-12 historian and tour host Ray Smith. "They will have a great time!"

Tour guests will get an inside look at Manhattan Project-era buildings and can wander through the Y-12 History Center.

Requirements have changed for visiting Y-12. Documentation of U.S. citizenship is no longer required. Visitors must only provide a form of government-issued photo identification and complete and sign documentation certifying their U.S. citizenship.

In addition to Y-12 tours, the festival will include a USO-style variety show, a concert by 1980s rock band Survivor, a World War II re-enactment, an expanded children's area, a new teen area, arts and crafts vendors with a juried arts show and antique dealers. The festival site is open to the public, and most of the weekend's events are free of charge.

B&W Y-12 is the festival's top corporate sponsor. B&W Y-12 employees can receive sponsor discount tickets for the variety show and the concert for \$10 each—the lowest ticket price available. Sponsor discount tickets can be purchased at the Oak Ridge Civic Center. Employees must mention B&W Y-12 to receive the discounted price.

"Because of the generosity of B&W Y-12 and our other sponsors, all of the many children's activities are free," said B&W Y-12 Public and Governmental Affairs representative Jane Miller, who is this year's festival chair.

For more information, visit the festival website (secretcityfestival.com).