

the Y-12 times

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

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Women of production

(pg. 3) Women who have worked in
production at Y-12 occupy a unique place
in the nation's history.

Y-12's Nuclear Family

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sonal stories combine to tell Y-12's epic
history.

Visit us!



June 2012



Y-12 employees donate quilts to residents at NHC, Oak Ridge. Standing from left are Y-12 employees Karen Ryan, Pam Summers, Becky Bolling and Jenny Castleberry. Kneeling is Y-12's Dottie Kelly with her mother, Mildred Young.

Why Volunteer?

Volunteer. If you've been in Tennessee long, it's a term you hear year-round, and at Y-12 it describes many employees and their family members. This year's Day of Volunteering had more than 1,100 participants working at about 60 organizations, and the "why I do it" sounds similar no matter the organization being supported.

"Many of the agencies employees volunteer for have provided assistance to a family member or are organizations near and dear to their hearts," said Steve Little, Facilities, Infrastructure and Services vice president. "My boys participate in the Halls High School Band. I believe this program, like many high school extracurricular activities, provides our children a solid foundation to be successful adults."

Jan Jackson of Sustainability and Stewardship said, "Our schools do not get the best — or even all — of the supplies they need. The William Blount High football

VOLUNTEER, cont. on page 2

Day of Volunteering Stats

- Y-12 has had a Day of Volunteering since 2003.
- Volunteers have worked on more than 400 projects.
- In the early years, \$20,000 of corporate money was allotted for materials. This year, that number increased to \$30,000.
- Nine counties have been helped: Knox, Anderson, Roane, Morgan, Loudon, Blount, Greene, Campbell and Sevier.
- Some 6,060 volunteers have participated.

The Value of Volunteering

- Volunteer efforts help nonprofits complete needed work without big costs. Here is what nonprofits might pay for similar work*:
- Carpentry – \$19.00/hr
- Electrical – \$23.20/hr
- Grounds Maintenance – \$11.41/hr
- Painting – \$16.48/hr
- Plumbing – \$22.43/hr

*Occupational Outlook Handbook, U.S. Bureau of Labor Statistics

Why 2012 Volunteer?

VOLUNTEER, cont. from page 1

program had some walls that had never been painted. The coaches and team were really excited about the project and asked if we could paint the stadium railing as well. My son will be a freshman next year and wants to play football, so of course, I like doing things that benefit my boys.”

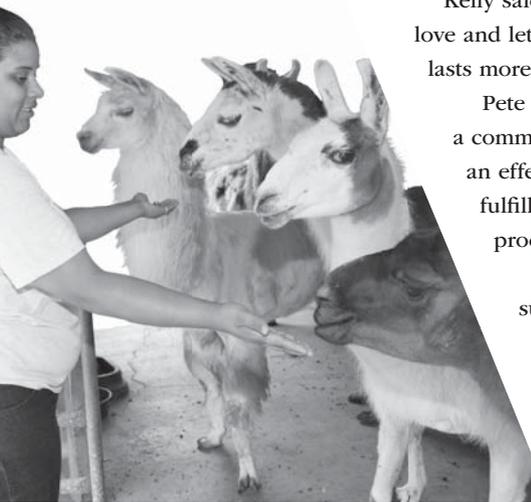
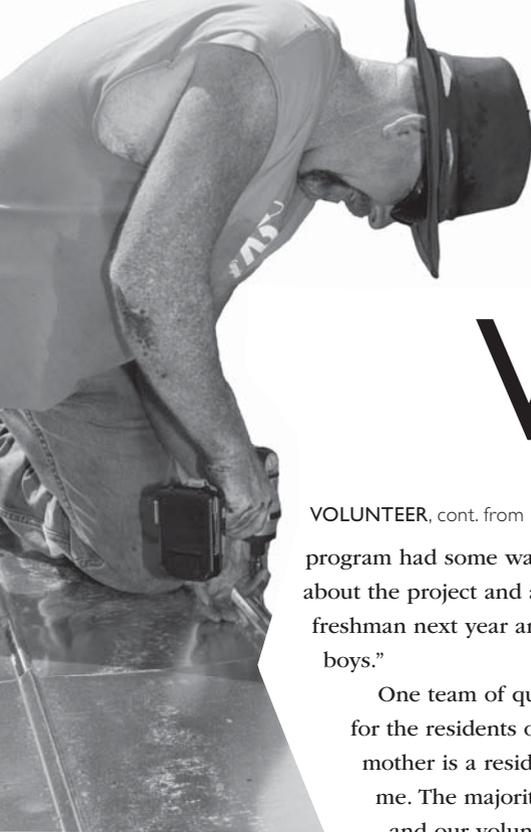
One team of quilters starts preparing in January for their task — making lap quilts for the residents of NHC, Oak Ridge. Dottie Kelly of Information Technology said, “My mother is a resident of NHC, Oak Ridge, so this facility is almost a second home for me. The majority of the residents are either spouses or retirees from Oak Ridge, and our volunteering reminds them they are not forgotten.”

Kelly said, “The sharing spirit of our team allows us to do something we love and lets us to learn from each other outside of work. Our team spirit lasts more than the actual Day of Volunteering.”

Pete Calkin of Industrial Hygiene participates to give back to a community that has given so much to him. “Volunteering is an effective way to assist others so community needs can be fulfilled. Plus, I’ve been fortunate to make new friends in the process.

“The help we provide allows these groups to sustain their facilities and infrastructures at little or no cost and permits these groups to provide more resources to others,” Calkin said.

Day of Volunteering comes full circle. We help those whose services we may one day enjoy or need. Y-12 volunteers believe by helping our communities, we improve circumstances, share the experience of caring and benefit from the tasks.



Mowing with safety in mind

Imagine working on a 500-pound piece of equipment with blades. Now imagine having to perform maintenance on that piece of equipment with only blocks and a standard jack holding it still. The situation doesn't give you a lot of elbow room.



Outside machinists Gene Hileman (center) and Lonnie Phillips (right), being observed by Gary Burnett, lift and secure a Y-12 mower before beginning preventative maintenance.

Lonnie Phillips and Gene Hileman, outside machinists in the East End Maintenance Center, recognized the safety hazard and worked with their management to find a solution. After a little research, they found a unique jack for large, zero-turn mowers that could erase their concerns.

“The front wheels and jack as a whole lock into place, so there's no worry of the mower moving even an inch. It's much more reassuring,” said Hileman.

According to Phillips, they were previously working with standard hydraulic floor jacks and had to simultaneously use a pry bar to adjust the height of the mower. “Only one of us could work on a mower at a time. Now, two of us can get under there and have room to work. Jobs get done easier and faster now, which is good considering summer is here,” he explained.

Standard maintenance for these zero-turn mowers involves replacing belts; greasing and replacing spindles and bearings; sharpening blades; and repairing various other items.

Gary Burnett, East End Maintenance supervisor, said, “Up until now, we didn't know there was such a piece of equipment out there. These guys really did their research.”

Rob Jago, East End Maintenance manager for Maintenance Execution, said, “I'm proud of the outside machinists for recognizing the need for this device. It allows them to perform their work safer and more efficiently.”

Women in Production | Working behind the fence

Women who have worked in production at Y-12 occupy a unique place in the nation's history. The first generation included the Calutron Girls, who operated the separation devices that provided enriched uranium for the first atomic bomb; the next generation produced nuclear secondaries to help win the Cold War.



Today's women of Production (left to right): Sharon Hawkins, Mae Harris, Rose Lancaster, Peggy Gibson, Alberta Greene, Debbye Braden and Mary Burns.

In the 1970s and 1980s, as Y-12 faced increasing demand for production, women like Debbye Braden, Mary Burns, Peggy Gibson, Alberta Greene, Mae Harris, Sharon Hawkins and Rose Lancaster were glad to hire on, especially for the wages and benefits. Mae Harris said, “I thought I was walking in high cotton!” upon receiving her first paycheck.

They learned a lot on their own, sensing that some veteran women considered them competition and that some men preferred they simply observe. “We humbled ourselves and stuck with it,” Hawkins laughed. “Eventually, they got to where they liked us.”

While the women earned good incomes, working a seven-day rotating shift was difficult for those with children. “Without my mother's help, I couldn't have done it,” said Greene of Production Facilities.

Today each of the women continues to fill an important role. “People look up to these women,” said Kathy Martin, assistant manager. “All of them work hard — paying attention to detail and asking questions — and they're good with people.”

As role models, these women continue to inspire others to make use of opportunities, overcome obstacles, and help make the world a safer place.

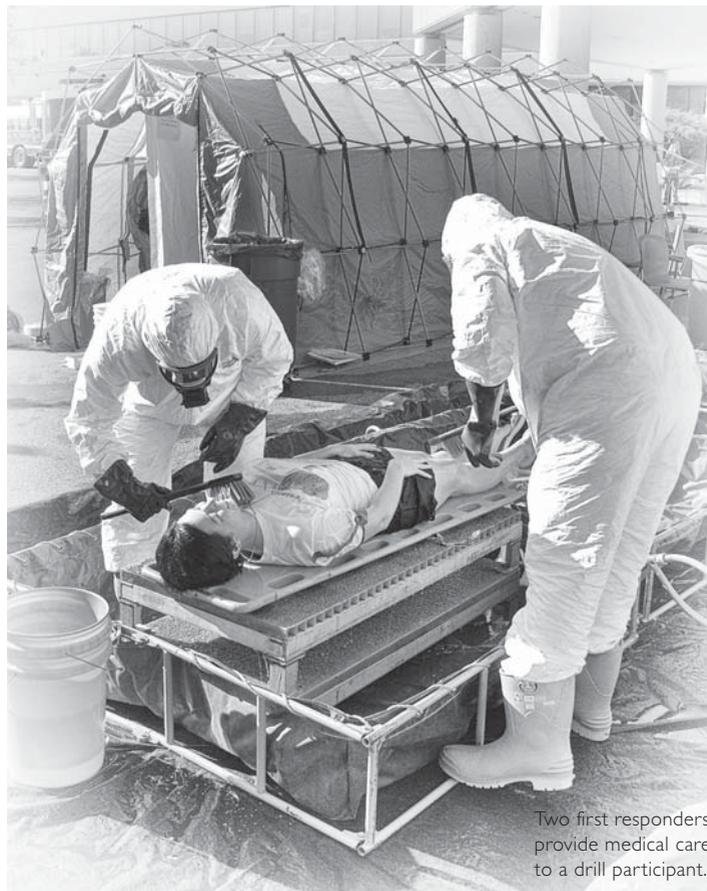
A RESPONSE to community education

Three Y-12 first responders recently participated in a regional emergency drill. It was the first time Y-12 employees mentored future health occupation, medical first response and nursing students in a mock scenario. Approximately 40 area high school students attended the event and were coached on how to handle a tornado's aftermath.

"We helped the students through the process — what they should look for, where they should go first," explained Ralph Honeycutt, Y-12 ambulance director. "There were 75 people lying in various areas, representing various injuries. It got the students out of the classroom and gave them hands-on experience."

Y-12's Emergency Management supplied an ambulance, radios and moulage (injury makeup) kits, giving an authentic look to the staged injuries. Other area first response teams attended the event also, bringing with them a fire truck, hazardous materials team and hospital supplies, setting a realistic scene for the students.

Honeycutt enjoyed using his skills to educate future first responders and hopes to participate again next year. "The health sciences teacher at Roane County High School, who was in charge of the event, said, 'You'll be the first ones we call next year.' I'm really looking forward to it," said Honeycutt. Troy Price and Brian Reynolds of Emergency Services attended with Honeycutt.



Two first responders provide medical care to a drill participant.

Meet Y-12's auctioneer

Someone once told J.D. Huddleston he had the perfect personality to sell junk. He took it as a compliment.

Since 1998, Huddleston has been the auctioneer for all Y-12 public auctions, where the items he sells, though used and unwanted elsewhere, are anything but junk. And, while Huddleston is the first to

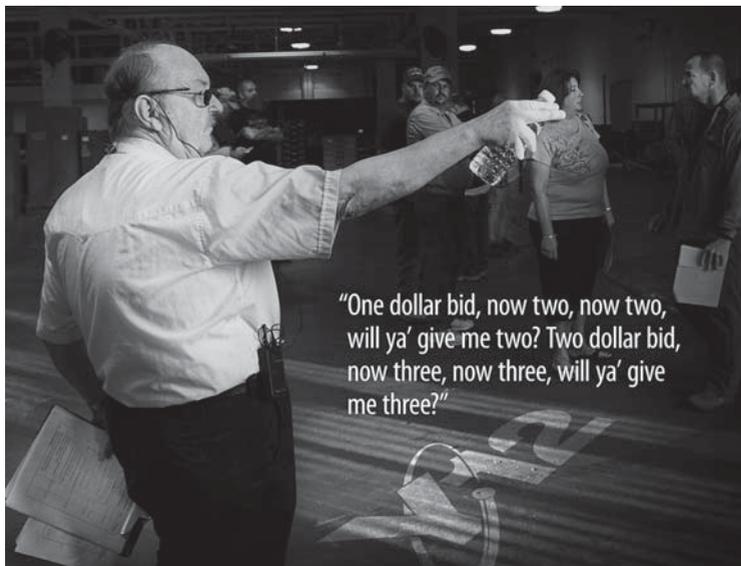
admit it "takes a certain personality" to be an auctioneer, personality is useless without the proper training.

Huddleston attended the Nashville Auction School in 1997 where, over the course of 10 days, he learned clerking, cashiering, auction law and the distinctive auctioneer's chant. He also learned the maxim that guides his participation in each auction he facilitates: "Above all else, be sure you are clearly understood, accurate and honest."

The items Y-12 auctions off to the public are first offered, through a series of steps, to other National Nuclear Security Administration sites and government agencies. "After all the screening, what's left over is what we sell," Huddleston said. Common items include machinery, hardware and electrical equipment; office furniture and filing cabinets; laboratory equipment and trucks.

Y-12's auctions bring in a variety of customers, from used equipment dealers to flea marketers. "I get entertained by watching the bidders," Huddleston said. "I've never seen any fights, but I've seen some anger and some, shall we say, 'heated' bidding." In such instances, he must toe the line between keeping the peace and keeping the bidding.

Huddleston fell into this role by default nearly 15 years ago, but he's enjoyed it ever since. "No two auctions are alike; there's always a different cast of characters and different items on the floor," he said. "It's a lot of fun."



"One dollar bid, now two, now two, will ya' give me two? Two dollar bid, now three, now three, will ya' give me three?"

An auction in late March involving three heavy duty trucks and an aerial bucket truck brought in nearly \$33,000.

The making of “A Nuclear Family”

Rarely seen footage and personal stories combine to tell Y-12’s epic history in the series “A Nuclear Family,” created for the East Tennessee Public Broadcasting System. Historian Ray Smith and senior media producer Casey Guinan led a 20-member team effort that spanned some five years.

“We started talking about it probably seven years ago,” Guinan said. “We have great old footage that hasn’t been seen much. Many of our people, having created shows for network television previously, were excited to be a part of this project.”

The series helps fulfill the National Historic Preservation Act’s requirements to interpret the history of Department of Energy sites. “This series also brings a better understanding and appreciation for Y-12’s heritage to present and future workers,” Smith said.

For Guinan, it was a chance to share Y-12 with the world. “It’s amazing how complex this place was.”

Episode 1, “I Have Seen It,” includes the story of local mystic John Hendrix, who prophesied the Manhattan Project 40 years before it existed. However, he did not predict that his step great-grandson, Buck Kahler, would one day edit the series that includes Hendrix’s story.

“What makes this series different,” Kahler said, “is that we have the first-hand accounts. This series is about the people, not the machines.”

The four 30-minute episodes will air back-to-back this summer. PBS is also considering airing the miniseries throughout Tennessee and possibly nationally. A DVD set will soon be available at the Y-12 History Center, and all four episodes are available at <http://www.y12.doe.gov/about/history/video.php>.

Remaking history

As the official photographer of the Manhattan Project, Ed Westcott took 15,000 images between 1942 and 1946. One of his most recognized photos, called Shift Change, was taken in front of Building 9711-1 and vividly captures the energy of the people who operated the Y-12 site.

Recently, Y-12 Multimedia recreated the photograph with a contemporary twist. “We wanted to use a modern work force and a modern facility,” Terry Marlar said. Westcott was there for the new shot.

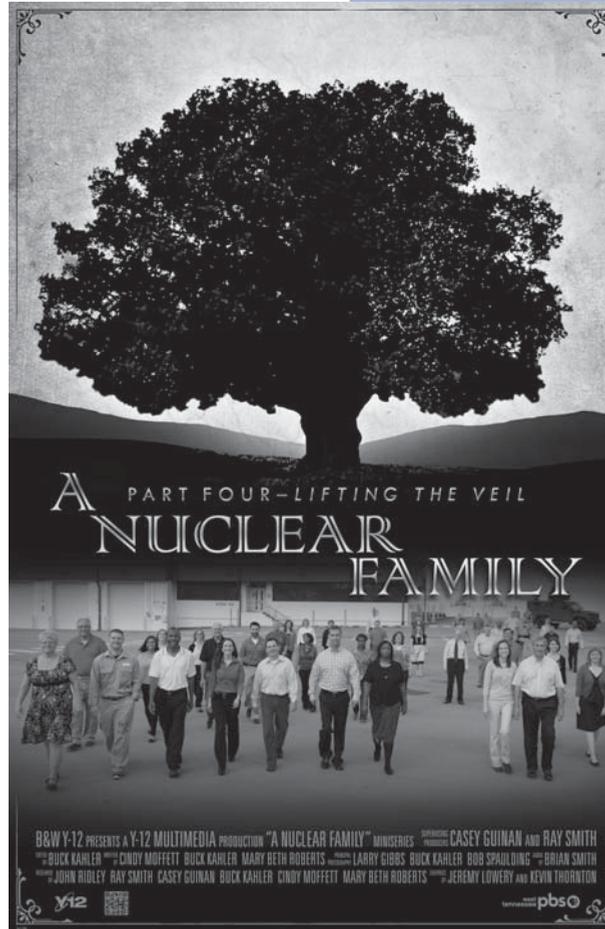
The modern remake produced still photography and video for use in the final episode of the “A Nuclear Family” series. Some 30 volunteers participated, with two having close ties to the original photo.

Nick Sharp from Facilities, Infrastructure and Services, is the grandson of Lucille Kite who appeared in the original Shift Change photo. Kite was in her late teens when the photo was taken, and her duties included watching ovens and setting timers. “When the timer was about to go off, my grandmother would notify someone in charge. Then, she would step away from the area,” Sharp said. “She didn’t know what was in the ovens, and she didn’t ask.”

Jerry Parrett, who worked in Transportation and now works as a subcontractor, is the son of Lester Parrett an outside machinist who appeared in the original photo. Parrett said that his father didn’t talk about the work he did at Y-12, but he made it clear that he enjoyed his job and the people he worked with.

When all of the participants were in place, Marlar handed Westcott the shutter release attached to the main camera.

“We’d like you to take another historical photo,” Marlar said.



Top, a new Shift Change documents a modern work force and facility. Above, the original Shift Change photographed in 1945.

Y-12 THROUGH THE DECADES- 2005 AND BEYOND

Y-12's missions remain vital to the world's security, safety and freedom. Efforts to ensure nuclear materials are kept safe from terrorists continued throughout the decade, with materials being removed from former Soviet Union locations, Libya, Chile and, most recently, Mexico. Whenever the U.S. finds and purchases highly enriched uranium, Y-12 is sent to safely and securely retrieve it.

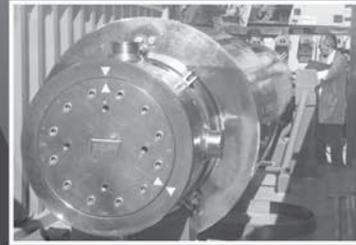
The site continues its stockpile surveillance and Life Extension Program missions, along with work to disassemble the secondaries from every weapon removed from active status. And, as the nation's nuclear weapon arsenal is being reduced from tens of thousands to 1,550 active weapons, Y-12's workload remains high.

As part of the Nuclear Security Enterprise's modernization and transformation efforts, Y-12 was tasked with reducing 500,000 square feet of old Manhattan Project structures that were no longer needed for the current or foreseeable missions — a huge undertaking. To date, more than 300 buildings have been demolished and more than 1,500,000 square feet of building space reduced.

Many other improvements happened along the way, including two new office buildings — the Jack Case and New Hope centers — a new garage, a new on-site records center and a leased modern records storage building. Finally, the Highly Enriched Uranium Materials Facility, the world's most secure location for the storage of nuclear materials, was completed in September 2008 and loaded in April 2010.

Elsewhere, new technologies are emerging and being placed in the private marketplace. Y-12 leads the way in advanced manufacturing, and we are the nation's Uranium Center of Excellence and a National Prototype Center.

Our long history of support for the nation's nuclear weapons allows us to "stand on the shoulder of giants" as we move forward into the coming years with a collective renewed spirit of patriotism. Y-12's "can-do" attitude is stronger than ever.



Whether Y-12 is removing vulnerable nuclear material from Chile or providing fuel for the nuclear Navy, Y-12's missions continue to focus on safeguarding our nation and the world.



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Volume 2, No. 3

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Under plant security regulations
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(Continued on Page 3)

all reports should be sent direct to
C. B. Hopkins, general foreman in
the Maintenance Division, in

Around Y-12 ...

- **Bring Our Children to Work Day will take place June 12.** Children will enjoy tours of the site and various activities. Children should be dropped off at New Hope Center between 7:00 and 8:00 a.m.
- Representatives from **Industrial Hygiene, Radiological Control, Productivity and Procurement provided recommendations on future respirator use at Y-12** following the reconditioned respirator issue in February. Senior management, representatives of the Atomic Trades and Labor Council, and Construction personnel approved the recommendations, which will soon be implemented.
- This year's **Secret City Festival, June 15 and 16**, marks the 10th year of commemorating the incredible history that makes Oak Ridge unique. Y-12 tours will be available on June 16, attendees may pre-register online at <http://www.y12.doe.gov/news/events/y12publictour.php> or visit <http://www.secretcityfestival.com/> for more information about the festival.
- **Y-12 received a silver level GreenBuy Award from the U.S. Department of Energy in April for buying green products.** The Sustainability and Stewardship Program submitted the Fiscal Year 2011 reporting of Sustainable Acquisition Priority Products on behalf of Y-12 in December 2011. Y-12 met the purchasing requirements for six products (i.e., concrete, copy paper, computers, toilet paper, etc.) in three different categories.
- **Did you know there's an app to alert you of hazards in Tennessee?** The "Ready TN" application promotes preparedness and provides situational awareness before, during and after emergencies. The application should not be used as a substitute for a weather-alert radio or during potentially life-threatening weather conditions. The Ready TN smartphone application is currently available in the Android Market. The application is under development for use on the Apple iPhone. For more information about the app, visit <http://www.tnema.org/>.
- **In late April, the Atomic Trades and Labor Council sent letters to members of Tennessee's congressional delegation to emphasize union support for the Uranium Processing Facility.** "As you well know, we are working in facilities that were built in the 1940s," ATLC President Steve Jones said in the letter to Sen. Lamar Alexander. "Today these facilities have actually outlived their life span and we are concerned with their longevity to support the important mission they provide for our country," Jones said. "Not only will this facility [UPF] enable us to continue our mission but will also provide our workers with a safer environment. We believe that Y-12 is a safe place to work and when the UPF is completed, it will only be safer."
- **If you schedule a presentation for a large, general audience, don't forget to schedule an interpreter for the hearing impaired.** Contact Ashley Dumas or Debbie Villarreal of Human Resources a few days before the event, and they will set up this service for you. "We need a couple of days notice so we can get the visitor's clearance work processed. These interpreters travel outside the Knoxville area, too, so advance scheduling is important," Villarreal said. More information is available on the Human Resources intranet site.
- **The Y-12 Employees' Society board members want to ensure YES members enjoy all benefits available through YES.** From events such as the egg hunt, December holiday parties, travel (both home and abroad) and many sports activities, the YES board is always planning ahead. There are more than 250 vendor discounts posted on the YES website. With the largest YES activity being the Angel Tree project, the board is always looking for help in fundraising ideas. Check out the intranet site (<http://home1.y12.doe.gov/yes/>) for more information on YES offerings.
- **Y-12 employees donated 150 U.S. flags to Boy Scout Troop 129 during April.** The troop will properly retire each donated flag during 2012.



JUNE

45 years

Development: **George L. Powell**

Engineering: **Samuel M. O'Neal Jr. and James H. Rollins**

Quality Programs: **Michael W. Poore**

Quality Assurance: **Ralph S. Leete Jr.**

44 years

Business Services and Performance Assurance: **Letitia P. Malone**

43 years

Information Technology: **William D. Cain**

Program Management: **Roger D. Bolin**

Resource Management: **Dewitt Upton**

42 years

Emergency Services: **Robert P. Galyon**

Maintenance Support: **Maurice G. Crouch Jr.**

Production: **Perry Anthony Jr.**

40 years

Information Technology: **Terry C. Domm**

35 years

Accounts Payable, Travel, and Treasury: **Porter D. Gipson**

Procurement Operations: **Carolyn D. McGregor**

Production: **Dwain L. Coppenger**

Projects: **Kevin H. Funk**

Resource Management: **Patricia E. Hensley and Harold P. Housley**

Utilities Management: **Michael W. Bullen**

30 years

Production: **John M. Potter**

25 years

Environmental Compliance: **Mark S. Burris**

Infrastructure Programs: **David M. Maguire**

20 years

Analytical Chemistry: **Christopher J. Price**

Information Technology: **Lisa F. Miller, Jeffery D. Phillips and Vessie W. Richardson**

Radiological Control: **Michael D. Kitts and Kimberly J. Nugent**

Resource Management: **Thomas D. Harvey**

Production: **Quinton V. Smiddy Jr.**

Safeguards, Security and Emergency Services: **Mary M. Casteel-Waters**

In memoriam

Charles Sloan of Production passed away April 22. He had 31 years of company service.

"Not only was Charlie my co-worker, but he was also a wonderful neighbor and friend," said Johnny Moore. "He would be there for you whenever you needed him."

"I worked with Charlie for many years," added co-worker Debra Avery. "He was a kind and caring person, who always had a smile on his face."

In memoriam

James Hayes of Emergency Services passed away May 1. He had 19 years of company service.

"JB was an alarm room lieutenant on shift with me for several years. He was well liked, always had a smile and was quick to offer a hand," said co-worker Jeff Jolly.

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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.

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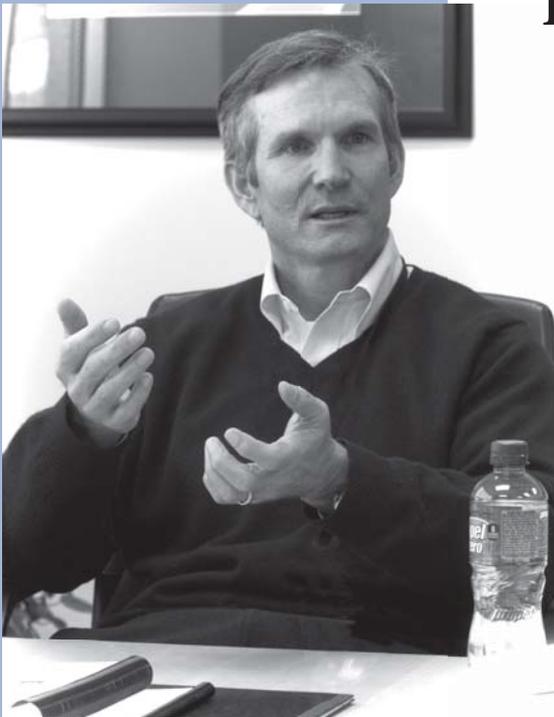
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Deputy General Manager and Senior Vice President Jim Haynes

Haynes — right place, right time

Jim Haynes, who joined Y-12 in December 2011 as deputy general manager and senior vice president, thinks his arrival at Y-12 brings him full circle. Having started his career in the Marine Corps serving his country and spending the last decade building infrastructure projects for other countries, Haynes is looking forward to serving his country through the work at Y-12.

Haynes' experience gives him a unique perspective. For example, few would consider being in Chile during the world's fourth most powerful earthquake to be the right place at the right time. However Haynes, who was then president of Latin America Bechtel Group Inc., had a more pragmatic view. He shared, "I had dealt with some horrific things in the Marine Corps, and I helped manage the recovery from the 2005 terrorist bombing in London, so I was well suited to lead the team through this crisis."

Led by Haynes, the Bechtel team focused on locating and ensuring the safety of employees and their families while supporting those with the greatest needs. He said employees paired up to provide emotional support in the following months because "every single person ... mattered."

Haynes has significant international megaproject experience, including his stint in London upgrading the tube (subway) lines, which should provide opportunities for him to help the team with the Uranium Processing Facility. He recognizes the importance of the work performed at Y-12 and welcomes the opportunity to once again exercise his abilities in service to his country.