

the Y-12 times

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

Inside ...

One Family

(page 2) The Protective Force becomes part of B&W Y-12.

In the Know

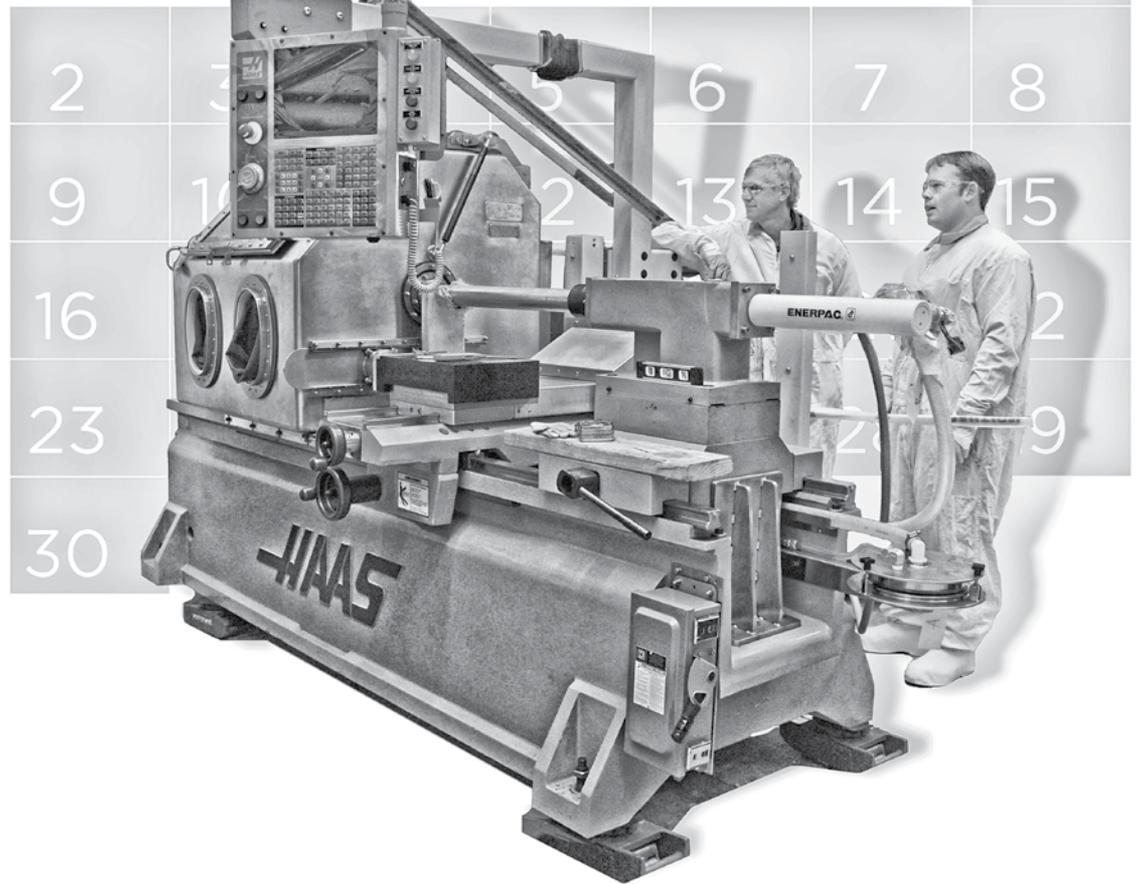
(page 5) Knowledge Preservation Management being used to train employees.

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November/
December 2012

SEPTEMBER 2012



Y-12 meets weapons goals for 2012

The Y-12 National Security Complex successfully met or exceeded key nuclear weapons dismantlement, surveillance and life extension goals in fiscal 2012. Dismantlement goals for four weapons programs were achieved on time, and goals for the B53 were exceeded. The W76 life extension program goals were met, and all stockpile systems surveillances were completed on time or ahead of schedule.

“We have faced a number of challenges this year,” said Steve Erhart, National Nuclear Security Administration Production Office manager. “Staying focused and safely keeping our mission work the main thing has allowed us to reach our goals. The people at Y-12 have shown an exceptional level of dedication and professionalism, and they should be commended for their efforts.”

One of Y-12’s main missions is to help ensure a safe and reliable nuclear deterrent through assessment, surveillance, refurbishment and dismantlement. The president and Congress have directed NNSA to maintain the safety and reliability of the nation’s nuclear deterrent without underground nuclear testing. In order to do that, NNSA has established a program of science-based stockpile stewardship with Y-12 as an integral part of that mission.

Stockpile stewardship refers to the activities associated with research, design, development and testing of nuclear weapons and the assessment and certification of their safety and reliability. Stockpile management refers to the activities associated with production, maintenance, surveillance, refurbishment and dismantlement of the nuclear weapons stockpile.

“I applaud everyone at Y-12 for their determination and hard work,” said B&W Y-12 President and General Manager Chuck Spencer. “Everyone at Y-12 knows the importance of our role in the Nuclear Security Enterprise, and we have moved into fiscal year 2013 squarely focused on safe, secure, high-quality operations in support of national security.”

All Hands Update

Security

- Added patrols
- Conducted corrective/refresher training
- Implemented new Protective Force response standard
- Reduced false alarms
- Implemented 24-hour maintenance process

Extent of Condition Reviews

- Reviewed procedures and physical conditions in all high-hazard, high-risk areas.
- Prepared in-depth report of conditions for NNSA Production Office

Facilities, Infrastructure and Services

- Revised lockout/tagout procedure
- Revised prioritization scheme for maintenance
- Making improvements to work control and execution
- Sorting maintenance backlog into active vs. deferred items

All Hands Meeting

One thing that is constant is change, and Y-12 employees have seen a fair share of it this year. Those changes require keeping employees informed, and President and General Manager Chuck Spencer held an all hands meeting in September to bring employees up to speed on site activities since the July 28 security event.

He started the meeting by thanking employees for their hard work and dedication in reaction to the event. “It’s been a long haul for the past couple of months,” Spencer said. He introduced new senior leadership members and explained the new organization structure, which was changed to clearly define Y-12’s line functions — Operations, Security and Projects — and to improve the interaction among organizations.

Members of the senior leadership team gave updates on key topics such as security, extent of condition reviews, challenges Facilities, Infrastructure and Services faces, the Show Cause response and the contract rebid. Several of the presentations summarized changes made in response to the security event, as shown in *All Hands Update*, to the left.

The meeting was also a time to share good news about sitewide accomplishments and the future, including a 50 percent reduction in recordable injuries from this time last year and a predicted steady work force number in fiscal 2013. Spencer reminded employees to stay focused during this period of intense change, and he answered employee questions submitted prior to the meeting. Spencer stressed things can change under the new contract, but as work continues, he encouraged employees to remain positive about the work they do and about the site. “As a team, we need to make it through this transition and on to the next phase,” Spencer said.

Welcome, Y-12 Protective Force

The Y-12 Security organization has worked to remain focused on its missions since the July 28 event. On Oct. 1, the site’s Protective Force began transitioning from WSI Oak Ridge management to the B&W Y-12 contract, uniting uniformed operations and other security functions.

“Staff members have done a great job embracing us into the B&W Y-12 family,” said Chief Chris Seals of Y-12 Protective Force. “Our mission hasn’t changed and transitioning the paperwork, benefits, and personnel has been surprisingly smooth thanks to a lot of support.”

Troy Nicks, director of Security and Emergency Services, said, “The value of having both operations under one contract means we don’t have that contract interface inhibiting us. Now, I believe we have more effective communications, assessment testing and other aspects of the safeguards and security program.”

Seals confirmed that reporting events is much more efficient now that there is one chain of contact, whereas beforehand, it travelled various routes through both contractors.

Mark Darden, Y-12 Protective Force director, said the support has helped the Protective Force stay focused in the midst of such a transition. “I believe the July 28 event refocused people on what

we’re here for — protecting important material. With this change, there are fewer layers of the reporting process, saving everyone time,” he said.

B&W Y-12 President and General Manager Chuck Spencer said, “I want to thank all of you who were a part of this transition. You put in long hours and did great work to make a complex change happen smoothly. I’d like to welcome the Protective Force aboard and wish them well in their important work to protect our site.”



Security and Emergency Services Director Troy Nicks said, “As one contract, Security and Emergency Services staff can work directly with Protective Force leadership to decide the most effective ways to implement improvements. With all of us working together, it will help us move forward as one team.”

Proactive Production

Security isn't the only area being examined at Y-12. In September 2012 an assessment of selected systems that touch on production began. The aim of the Extent of Condition review, now concluded, was to ensure that no gaps in safety documentation, configuration of equipment or human performance pose unacceptable risks to continued operation.

In the midst of the review walk-downs, Dave Richardson arrived to fill the newly created position of deputy general manager for Operations. In this function he has responsibility for Production, as well as Facilities and Maintenance and Engineering/Design Authority.

After Richardson transitioned from his previous job as the president of B&W Shaw Remediation, supporting the Naval Reactors Program, two factors in particular impressed him about Y-12: the breadth of manufacturing expertise and the strengthened management approach to mission execution. "I'm excited about the leadership here. Managers are expected to be engaged with the work force on the facility floor," he said.

Richardson is getting oriented to Y-12 through his own walk-downs with area supervisors. "First line supervisors are heart and soul to making things go right," he said.

Richardson emphasized that throughout the Extent of Condition review, Production remained focused on its commitment to established production deliverables while operating safely and securely. "We are concentrating on learning everything we can from the July security incident and meeting our goals coming out of this," he stated.



Dave Richardson (right), deputy general manager for Operations, observes a production process.

No assumptions with resumption

When it came time to resume nuclear operations following a two-week security stand-down in August, it took more than saying resume.

The operational startup plan used sequenced activities to ensure safety and security during the resumption period and focused efforts on meeting delivery schedules for the Stockpile, Naval Reactors and Nuclear Nonproliferation Programs.

"The sequencing of facility operations was also designed to minimize demands on security forces that support multiple processing areas," said John Hagemann of Production.

Before the resumption began, a series of security and safety briefings stressed expectations for personal safety, conduct of operations and compliance with security requirements.

Communication was key between personnel in Production, Security and Emergency Services, and the Central Alarm Station. A three-way communication method required the sender to state the message, the receiver to acknowledge elements of the message and the sender to confirm the receiver's acknowledgement.

Hagemann developed an execution plan to coordinate each facility's startup with CAS. The purpose was to ensure only one facility was communicating with the CAS operator during each startup phase. Because of that crucial real-time feedback from the field, Hagemann was able to give clear and prompt directions to control startup across facilities.

"The execution of the resumption plan ensured a safe and controlled startup of key nuclear activities at Y-12 and was essential to instilling confidence in our ability to conduct our primary mission work in a safe and secure manner," said Vice President of Production Joel Duling. "The nation's security depends on our ability to complete our mission each and every day of the year."



A new access control program in production facilities uses a distinct badge to identify the individual responsible for communicating alarm mode change requests to the CAS operator.

BIG NEWS

in nanotechnology ...

Y-12 has two new superstrong nanotechnologies being patented: HexBilt™ and Pro-Ox Nano. Carbon nanotubes, or CNTs, make it possible for both to deliver a mighty strength-to-weight ratio of materials, significant cost savings and more.

Y-12's homegrown CNTs pack a powerful punch, providing extraordinary electrical and heat conductivity and mechanical properties as well as an exceptional range of applications in materials science, electronics, chemical processing and energy management among other fields as varied as fibers and fabrics, biomedical applications and drug delivery.

HexBilt™, an enhanced family of superstrong metallic or ceramic composites that uses CNTs, was recently patented. Roland Seals, working with Jonathan Morrell and Ed Ripley, all materials science specialists, invented HexBilt™ to increase material strength; to improve elasticity and wear as well as electrical, erosion, fatigue and thermal characteristics; and to boost strength-to-weight ratios.

Where might HexBilt™ show up? "The strong, tough, HexBilt nanostructured composites will have a significant impact on our everyday lives, including transportation and energy consumption," Seals said.

Pro-Ox Nano will follow suit, patenting its unique material-attachment process, which creates families of new materials with enhanced properties and uses. It requires fewer production steps, reduces production cost, and saves time and energy. Pro-Ox Nano was invented by Seals and researchers at Oak Ridge National Laboratory.



Y-12's Roland Seals has worked in nanotechnology since its infancy, delivering practical benefits to the outside world.

Since their discovery some 20 years ago, the tiny CNTs have brought mammoth changes to nanotechnology. Because of their phenomenal properties, CNTs will make possible new families of materials that will change lives in ways only imagined today.

UPF employee team success is no accident

The entrance to the Uranium Processing Facility construction trailer provides a vantage point from which to view traffic entering and exiting the west end parking lot. However, employee team 130 didn't like what they were seeing.

Jim Price, UPF Construction safety team lead, recalled witnessing several near misses as employees exited the parking lot in the evening. With increased traffic in the area, including many new to the site, they knew it was just a matter of time before someone was hurt, so they contacted Environment, Safety and Health.

Mark Haskew of ES&H analyzed the situation with the team and implemented a solution — moving some containers, changing the traffic flow and painting "STOP" on the road. The team was vigilant in ensuring the solution worked, so they continued to pay attention. When they noticed the situation had not improved sufficiently, they alerted Haskew and reevaluated.

The final solution involves a combination of signage and barriers. Price was proud of the team's persistence in finding the right solution. Rhonda Martin, a UPF safety engineer, was pleased with the team's initiative. She noted, "They identified the hazard and took corrective action."

Martin thinks this employee team perfectly illustrates the safety culture at UPF. "Our safety culture policy emphasizes problem identification and resolution, personal accountability and continuous learning. This employee-led effort embodies all those traits," she said.

This employee team's focus on accident prevention is not an accident.



Masters of production

Challenged regularly to provide new shift workers with operations training, Production is using video to add flexibility to its training program. Knowledge Preservation Management, a collaboration between Information Technology and Video Services, produced the video using raw footage of lithium manufacturing processes.

Production's Ben Davis and John Hehmeyer credit KPM with transforming the footage into a flexible, effective training tool.

The Video Services arm of KPM had been filming lithium manufacturing processes and subject-matter experts for about a year when KPM project manager David S. Henderson presented information about KPM at a meeting attended by Davis and Hehmeyer.

"When David pitched KPM, I initially didn't pick up on this opportunity. Then the lightbulb went on," Davis said. SMP needed a way to train 12 new operators and two new supervisors who work rotating shifts on processes that run on varied schedules. Because showing employees the conversion cell process from the manufacturing floor wasn't always a viable option, they determined a concise videotape of the process was the next best training option.

Hehmeyer said, "Operators now have a chance to see the process before going out on the manufacturing floor. The video helps them understand the reading materials and enhances verbal training in the classroom. It is an effective and efficient training tool to orientate new operators and to use as a refresher course for experienced operators." Davis hopes to capture the crusher and grinder process next, another complicated process operating on an irregular schedule.

Y-12 KPM has been designated the Nuclear Security Enterprise Center of Excellence for Knowledge Preservation by the National Nuclear Security Administration.



Knowledge Preservation Management worked with Production to develop a training video of the conversion cell process. The new training format provides more flexibility when training operators.

CSOOT helps hold Building 9212 together as UPF unfolds

Those who question the need for the Uranium Processing Facility want to know why Building 9212, where enriched uranium has been machined since the 1940s, just isn't renovated.

Joe Crociata, Y-12's Continued Safe Operability Oversight Team's (referred to as CSOOT) senior technical advisor, explained: "Most nuclear facilities are not operated for longer than 40 years due to the high cost of maintaining safe operations and obsolescence concerns, so operating 9212 safely beyond 60 years is a unique engineering challenge.

"Nuclear facilities are built to rigid codes and standards to ensure safe operations. Over the years, the codes and standards evolve with new requirements and improvements," Crociata said. "Although some of those improvements can and have been made to 9212, it's not cost-effective or feasible to modernize the facility."

In May 2006, acknowledging that 9212 was near the end of its expected safe operating life, the National Nuclear Security

Administration directed the then Y-12 Site Office to conduct a facility risk review of the building to identify what was needed to ensure 15 more years of reliance while UPF was completed.

"The review resulted in two major items," said Crociata. The facility needed to have added maintenance and to buy crucial spares, and it had to undergo various infrastructure improvements in order to operate safely until UPF was ready. The Nuclear Facility Risk Reduction project, an \$80 million investment, is under way in 9212 to complete these needed infrastructure improvements.

NFRR team member Al Reardon said, "When it comes to Building 9212 and CSOOT, we're all in. We understand the value of CSOOT and what it does for 9212."

B&W Y-12 launched the 9212 CSOOT in 2007 to provide independent oversight and feedback to senior management on the building's ability to operate safely until UPF is constructed.



On February 18, 1943, in the midst of the second World War, ground was broken in rural East Tennessee for the first production building at the Y-12 Electromagnetic Separation Plant. The plant's job was to make enough enriched uranium for a new kind of bomb, an atomic bomb. —From the Y-12 website (<http://www.y12.doe.gov>)

In February 2013, Y-12 will celebrate its 70th anniversary. Over the years, there have been successes, groundbreakings and tough times. What stands out in your career at Y-12? What story or event will you remember? What legacy will you leave when you retire?

The Y-12 Times wants to share your stories and memories during 2013. Help make our 70th year memorable as we relive some exciting times in our history. You may send your submissions to 70years@y12.doe.gov. Employees are reminded to have any submissions reviewed by a derivative classifier before submitting. Stories may also appear on YSource (our intranet site).

Let's leave an impression on those who will celebrate Y-12's 100 years and leave no question we are proud of our many contributions to securing our nation's freedom.

Below are sentiments from employees with their hire year included.

"Y-12 takes pride in helping the community, especially in times of need. Dear to my heart is the Angel Tree. I can't imagine a child not having a present at Christmas. Some children have no hope of a future or that someone cares. Y-12 employees really do care and continue to give from the heart."

—Patsy Shelton, Occupational Health Services, 1975

"One thing has stood out since the day I was hired: Y-12's commitment to safety. Shortly after I was hired, I participated in the VPP [Voluntary Protection Program] kick-off event and was impressed by the pledge to take safety to the next level. Since then, we have achieved VPP Star Status. Our construction team has worked more than 1 million hours without a lost-time accident."

—Jeremy Pearson, Security and Emergency Services, 2011

"If it weren't for Y-12 and the initial reasoning behind its development, who knows what the future would have been. I'm proud of the mission statement, and I'm proud to be a Y-12er."

—Rashaun Williams, Engineering, 2004

"I came to Y-12 in 1982 from Oak Ridge National Laboratory. It was during the next few years that the work done at Y-12 helped to end the Cold War. Helping end the second World War saved countless lives and enabled us to preserve the freedom we all enjoy today."

—Steve Jones, Atomic Trades and Labor Council president, 1982

Y-12 named platinum Fit Friendly Worksite

B&W Y-12 was recently honored as the only company in the Knoxville region to be named a platinum-level Fit Friendly Worksite. Kathy Jetton, senior regional director of the American Heart Association, presented the award to Chuck Spencer, president and general manager. “Only eight companies in greater Knoxville are Fit Friendly Worksites, and Y-12 is the only one at the platinum level,” Jetton said. “I want to thank you and commend you for your commitment to heart health.”

The Fit-Friendly Companies program recognizes employers who champion the health of their employees and create a culture of physical activity and health in the workplace. The program offers companies several ways to be honored on an annual basis: “gold” is the first tier of recognition and “platinum” is the advanced tier.

Last year Y-12 received gold recognition, but financial investments toward employee health helped B&W Y-12 earn top honors this year. In 2012, B&W Y-12 offered a \$300 incentive for employees to complete an online health assessment, blood work and physical fitness measurements. Employees also received a \$50 Visa gift card for participating in the Voluntary Protection Program, which included verification of participation in various health education, nutrition and physical activities (LiveWise) programs. All told, the company invested \$469,000 in health-related incentives.

According to Mary Benton from Environment, Safety and Health, Y-12 has a longstanding relationship with the American Heart



American Heart Association's Kathy Jetton presents the platinum-level award to B&W Y-12 President and General Manager Chuck Spencer.

Association. “Four years ago, when we started our wellness program we worked through the American Heart Association because they had an excellent record and because heart disease is one of the top five medical claims here at Y-12,” Benton said.

Opening new doors for the Boys and Girls Club

The Boys and Girls Club of the Clinch Valley, formerly the Boys and Girls Club of Oak Ridge, has a refurbished room thanks to the 2012 Leadership Oak Ridge class, including Y-12 employees Jeremy Benton, Sabrina Hampton and Renee McGhee. The class, consisting of enrollees from area businesses, gave one of the club's rooms an extreme makeover.

“I was amazed at how everyone helped with every phase of the project — from planning and scheduling to sweeping up the dust from the circular saw!” McGhee, the project lead, said. “Many classmates asked, ‘What else can we do to help the club?’”

The LOR class members raised \$4,475 for new tables, chairs and storage cabinets. Greg Palmer of Tennessee Tool and Engineering donated building materials, general contractor Tom Martin contributed free oversight and class members provided the elbow grease.

“In its previous state, the room was not comfortable or functional,” Benton said. “It had fixed counters, no storage and inadequate air distribution. We replaced the counters with tables, added two moveable storage cabinets and reconfigured the HVAC distribution.”

The new multipurpose room offers a comfortable, welcoming environment for the club's 750-plus kids, ages 6 to 17, where they can enjoy evening meals, tackle homework and participate in supervised activities.

Of course, Oak Ridge and Y-12 benefit, too. Through the 10-month leadership training program, Y-12 “gains employees with improved leadership skills and people who are more interested in making Oak Ridge a better place to live, work and play,” Hampton said.



Jeremy Benton, Sabrina Hampton and Renee McGhee (seated) are happy to help the Boys and Girls Club of the Clinch Valley.

Ripley's Believable

“talking dog”

Bundle-of-energy Ed Ripley doesn't turn off any creative juices when he leaves Y-12 for the day. The Development engineer and inventor extraordinaire even applies his problem-solving skills to performance art.

Recently he jumped into designing a “talking dog” mask when his friend, ventriloquist Stephen Knowles, wanted to expand his act at The Comedy Barn in Pigeon Forge.

They started with a living, breathing dog that showed the temperament for performing on stage. Next they designed a mask resembling the canine's muzzle, which could somehow be secretly manipulated. What resulted was a mask-leash combo worn by the dog and operated by an entirely new method and mechanism. “We are keeping specific details close to the chest,” Ripley said. Both he and Knowles say the device is much more life-like than similar ones they've seen.

The canine star, Delmer, a rescue terrier mix, seems to be handling the attention. “His tail wags when he hears the audience applaud,” Knowles said.

Ripley also improved the ergonomics on a puppet character in Knowles' act, a cowboy named Johnny Lobo. “I changed the angle of the hand and thumb when holding the puppet and made the trigger adjustable,” Ripley said. “This is really important when someone is doing 500 shows a year.”

“Ed is one of the most creative people I know,” Knowles declared. “If I can dream it, he can do it — and probably already has the tools.”



Ventriloquist Stephen Knowles (left), Delmer and Development's Ed Ripley. Want to see Delmer perform? The Y-12 Employees' Society offers discount tickets to The Comedy Barn.

Quick action saves FI&S employee

A heart attack doesn't give its victim much choice in when and where it strikes, but for Y-12 electrician Donald Fox, time and place were on his side. Fox was with a co-worker when he began feeling pain in his chest and arm. An overall unwell feeling took hold of Fox, and he knew he needed to go to medical. There, staff gave him nitroglycerin, performed an EKG, determined he was having a heart attack and sent him by ambulance to Methodist Medical Center of Oak Ridge.

Fox recalled that while in transit to the emergency room, medics were in communication with the hospital staff in preparation for his arrival. “Within 25 minutes, I was in the operating room,” Fox said.

“At Methodist we've made rapid triage and treatment of heart attack victims a top priority,” said cardiologist Todd Justice. “We have established systems of care with many local EMS [emergency medical services] agencies and ERs [emergency rooms], so patients get rapidly transported to Methodist, and we are waiting in the cath lab for them. This cuts off a tremendous chunk of time, allowing the clogged arteries that cause heart attacks to get opened as quickly as possible.”

Since the heart attack, Fox quit smoking and encourages others to do the same. “From what I understand, that's what caused the heart attack,” Fox said. He also emphasizes the importance of knowing the signs of a heart attack, which he'd become familiar with through Y-12's health and safety initiatives.

Excerpt reprinted with permission from Methodist Medical Center's *Healthy Lifestyles* newsletter.



Heart attack survivor Donald Fox can now enjoy many more years of family vacations with his daughters and grandchildren thanks to the swift action of the Y-12 medical staff and the emergency heart care team at Methodist Medical Center.

Oh, Angel Tree, Oh, Angel Tree

Since 2007, employees have provided Christmas gifts for more than 2,300 needy children through the Y-12 Employees' Society Angel Tree program. This year YES hopes to make Christmas wishes come true for 500 children in Anderson, Loudon, Monroe, Morgan, Roane and Scott counties.

Through Angel Tree, employees are able to provide much needed clothing, shoes and other wishes for toys to the area's neediest children. YES works with agencies from surrounding counties that get the word out and help families sign up for participation in the Christmas program during the months of October, November and December.

Jessica Smith, Engineering, is this year's Angel Tree coordinator. According to Smith, YES relies on the county contacts to screen and select families to participate in the Angel Tree program. They often are already working with families one on one to help them with other issues and are the best source to know their true needs.

Each family signs a waiver allowing the agency to share the ages of the children, sizes of clothing and gift ideas with sponsors like YES. "Our Angel Tree contacts are so happy we are doing this again," said Smith. "They say they look forward to this every year."

Traditionally, several hundred volunteers are involved in the YES Angel Tree program, purchasing, sorting and making sure gifts get to the correct county contact.



YES Board members Mona Wright (left), Jessica Smith and Erick Loveland, 2011 Angel Tree Program director, sort gifts during last year's Angel Tree Program.

Retirement: work and play

John Ridley of Communications Services knew he'd need something to do once he decided to retire after 38 years, so he enrolled in PREP, a program offered in 2011 to ease employees into retirement. Ridley began his new assignment Feb. 1.

At the time of his retirement, Ridley was the department head for Video and Videoconference Services. In his new 'retirement' position, he has been working in Y-12's Document Control reviewing Ed Westcott footage from the 1940s through 1960s, much of which hasn't been touched since it was originally taken and stored.

"It's been interesting to see this footage that only Ed has seen. It all relates to the city of Oak Ridge, and I'm getting to see everything from the first buildings constructed to the official opening of the city," Ridley said.

He's been cataloging yards of unmarked film showing the construction of Y-12, K-25 (now East Tennessee Technology Park) and X-10 (Oak Ridge National Laboratory). Luckily, Ridley is one of the few Y-12ers who can handle the delicate film and keep it intact. In fact, he's even worked to repair the aging 16 mm film, saving imperative historical footage in the process.

Once he's logged his hours at work, Ridley takes to the road or sky. In August, he and his family journeyed to Croatia on a mission trip to help build homes. "I had promised myself that I would get more heavily involved in mission work when I retired. My current schedule allows that," he said.

When he's not traveling to foreign lands, Ridley visits his children and grandkids as often as he can. "We don't have family here in Tennessee, so we really enjoy spending more time with them now," he said.

As for future trips, Ridley (the film expert) simply smiled and said, "We'll see what else develops."



Ridley visiting Quebec City, Canada, since retiring in January.



NOVEMBER

44 years

Engineering: Glenn R. Bridges

43 years

Production: Timothy R. Hill Sr.

42 years

Engineering: Larry W. Johnson
Facilities, Infrastructure and Services: Norman L. Smith

Production: Stephen R. McCarty

41 years

Engineering: William E. Barkman

40 years

Facilities, Infrastructure and Services: Charles L. Austin, Vicky R. Lawson and Thomas H. Rodgers

35 years

Engineering: Hazel G. Leverett and Larry Roberson

Facilities, Infrastructure and Services: Timothy D. Jones, Marc P. Lambo, Jimmy H. Robertson and Johnny R. Whalen
Production: Alberta W. Greene

30 years

Business Services and Performance Assurance: Patricia Rose
Engineering: Mark D. Huebschman and David N. Robinson
Quality Assurance: Donald W. Chandler

25 years

Business Services and Performance Assurance: Stephen L. Caywood
Engineering: Elizabeth K. Sedman
Program Management: Teresa L. Knight
Quality Assurance: Robbie E. Scott
Security and Emergency Services: Thomas A. Aloisi

20 years

Engineering: Christopher F. Haught
Environment, Safety and Health: Ramon N. Ortiz and Edward W. Werden
Facilities, Infrastructure and Services: Suzanne M. Worthy

DECEMBER

45 years

Engineering: Clark E. Hamilton
Facilities, Infrastructure and Services: Wallace R. Johnson

44 years

Engineering: Robert R. Bigelow
Quality Assurance: Thomas T. Adams

41 years

Facilities, Infrastructure and Services: Clifton D. Guider

40 years

Human Resources: Vicki S. Wilson

35 years

Business Services and Performance Assurance: R. T. Harris
Facilities, Infrastructure and Services: Pamela K. Johnson and David Nix
Projects: David N. Mosby

30 years

Environment, Safety and Health: William G. Reis
Production: Benjamin G. Davis
Quality Assurance: James M. Harvey

25 years

Business Services and Performance Assurance: Vicki T. Hinkel

Chief Financial Officer Division: Lawrence M. Metcalf
Engineering: Julia W. Insalaco
Quality Assurance: Leah K. Rawlins
Security and Emergency Services: Ronald E. Knauff
Strategic Planning and Transformation: Thomas M. Insalaco

20 years

Business Services and Performance Assurance: Patrick M. McCoy
Facilities, Infrastructure and Services: Malee Bailey, Johnny W. Jobe and Tracy L. Stout-Powers
Quality Assurance: Beth A. Cole



The world may not be as green during the winter months, but that's no reason not to be green in your daily activities. Y-12's Sustainability Team shares the following tidbits to continue protecting the environment.

- Use nontoxic de-icing substances such as clean clay cat litter, sand or fireplace/stove ash to prevent hazardous waste from chemicals.
- Winterize your vehicle; check your air filter and fluid levels. Keep tires inflated properly, and check the condition of your windshield wipers.
- Save wood-burning fireplace ashes in a tin instead of throwing them away. Cold wood ashes can be mixed in your compost heap to create a valuable soil amendment.
- Turn down your thermostat (or use a programmable one) when you'll be away so you don't waste natural resources by generating unneeded heat.
- Use timers so lights (including those holiday lights) don't stay on all night.
- Continue recycling and buy recycled materials when available.
- Keep rechargeable batteries rather than disposable ones stored throughout your house. If you do use disposable batteries, prevent hazardous waste by buying batteries with low mercury content.

It's time for the Y-12 Employees' Society **holiday parties**

Deck the halls, jingle the bells and rock around the Christmas tree. Make plans to attend this year's holiday parties, sponsored by the Y-12 Employees' Society. The employees' party is Dec. 13, 4 p.m. until 6 p.m., at the Jack Case Center cafeteria. Employees' names will be entered in a drawing and randomly selected (electronically) for one of several prizes. The children's party is Dec. 15, 2 p.m. until 6 p.m., at the New Hope Center. There will be face painters, games, food, and most importantly, Santa. If you have questions, please contact Charlotte Schaeffer, 576-8908.



Around Y-12 ...

- **Daniel Mack was appointed acting chief of Nuclear Safety Operations.** Mack came to Y-12 in September 2011 as director of Nuclear Safety Operations. A former U.S. Navy captain with more than 27 years of service, he has extensive experience in the operation, maintenance and oversight of nuclear power plants and nuclear weapons systems. Mack replaces John Stewart, who is now the president of Babcock and Wilcox Shaw Remediation in Idaho.
 - **Mark Darden was named director of the Y-12 Protective Force, and Christopher Seals was named Protective Force chief, effective Oct. 29,** as an integral part of the transfer of Y-12 Protective Force responsibility from WSI to B&W Y-12. Darden, a Y-12 employee since 2011, served as a career U.S. Army Military Police officer, retiring as a full colonel. Seals, a retired first sergeant in the U.S. Marine Corps, has been with the Protective Force at Y-12 since 2001. He has served in a variety of leadership positions, including special response team leader, shift lieutenant, interim chief and, most recently, day shift captain. (See related story on pg. 2.)
 - **Y-12 employees have been successful in raising funds for various causes this fall.** More than 20 walkers representing Y-12 participated in the Oct. 25 **Light the Night Walk** that benefited the Leukemia and Lymphoma Society, the organization that pays tribute and brings hope to people battling blood cancers. The Y-12 team, recognized as the top corporate team, raised more than \$20,000. Another Y-12 group was recognized as the top government team at the Oct. 27 **Susan G. Komen Race for the Cure.** The team raised more than \$1,125. Twelve Y-12ers stepped out to do their part at the Nov. 4 **Step Out Walk**, raising nearly \$1,800. **Why walk?** LTN walker Pam Summers said, "I walk to support my friends, co-workers and co-workers' family members who are dealing with a blood cancer. This is my way of showing how much I care by putting my words into action." Step Out walker Elizabeth Bourne said, "I walk for the people who have been and are most important to me."
 - **You'll be hearing more about a Safety Conscious Work Environment, or SCWE.** According to President and General Manager Chuck Spencer, "Even though 'safety' is the first word in the concept, it is actually more about open communication and culture and less about how we commonly define safety at Y-12." John Gertsen, vice president Uranium Processing Facility Programs, will lead the effort. Y-12 is working with the National Nuclear Security Administration Production Office and Pantex on a joint SCWE improvement initiative.
 - **Looking for winter sports that provide fun in the snow?** Visit the Y-12 Employees' Society intranet site for information about offerings at Ober Gatlinburg, set to begin Jan. 6. For more information, contact YES Sports Director Zach LeVasseur (levasseurzp@y12.doe.gov; 241-3529).
 - **Y-12 employees donated more than 900 coats and winter wear that were delivered to the Volunteer Ministry Center** for distribution to those in need. This is the eleventh year employees have collected outerwear to help others. The Y-12 coat drive is held in conjunction with the United Way Campaign (see related story on pg. 12).
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- **Fifteen exceptional teams at Y-12 received Defense Programs Awards of Excellence for 2011.** Joe Oder, director of the National Nuclear Security Administration's Office of Nuclear Weapon Stockpile, and Mark Padilla, the NNSA Production Office's assistant manager for programs and projects, joined B&W Y-12 managers in presenting the awards to 275 recipients earlier this fall.

Joe Oder (center) said the awards "recognize the extraordinary effort made by those working in the nuclear weapons complex to sustain our nation's defense system. The contributions of these Y-12 employees exceed all expectations." Joining Oder were Mark Padilla, NNSA Production Office (right) and Joe Henry, B&W Y-12.



In memoriam

Gloria Lomax of Business Services and Performance Assurance passed away Oct. 7. She had nine years of company service.

"Gloria, affectionately known as Glo or Dimples by her close co-workers, was an avid reader and excellent cook," said co-worker Juanita Harris. "She was a good spirited and quiet person with a great sense of humor. She possessed a strong sense of love for her family. Glo was a very giving person and was well known for the unique Christmas and birthday cards she gave her co-workers. She will be sorely missed."

In memoriam

Dianne Kear of Facilities, Infrastructure and Services passed away Sept. 21. She had 36 years of company service.

"We worked side-by-side for 14 years, supporting each other in our jobs," said Linda Ludwig. "I lost not only a co-worker but a very close friend. Dianne was a dedicated employee who loved her children and grandchildren. She was very active in her church and took on many roles in supporting her church and community. She will be missed."

Volume 12, No. 11
November/December 2012

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
Mary Bryant:
bryantma@y12.doe.gov

Layout

Lisa Harris

Contributors

Ellen Boatner	Terry Marlar
Ashley Douglas	Jill McNutt
Ryn Etter	Brett Pate
Kathy Fahey	Kate Shaw
Scott Fraker	Ray Smith
Vicki Hinkel	Eric Swanson
John Holbrook	Brian Wagner
Kathryn King	Donna Watson
	Mona Wright

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

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Big hearts, caring hands



Business Services and Performance Assurance's Paul Hight, front, checks out the items available at the United Way silent auction. Other United Way events — Bruster's ice cream, chili cook-offs, jewelry sales — have helped raise funds for Y-12's campaign.

The Y-12 United Way Campaign silent auctions were anything but quiet this year. From homemade crafts and cakes to gift baskets galore, the auctions at Jack Case and New Hope centers

offered something for everyone. Combined, the events raised more than \$10,200 for Y-12's campaign.

The highest-grossing item at Jack Case was a University of Tennessee tailgate package put together by the Projects, Sustainability, and Facilities and Waste Management groups. The package, which included all the tables, chairs, coolers and grills required for a good tailgate plus more than \$500 worth of gift cards and UT football tickets, sold for \$1,000.

Another prize item was the Anita Stensaker Memory Quilt, which *The Y-12 Times* highlighted in September. The quilt took more than 200 hours to complete and consists of 1,182 pieces assembled by the Caring Hands of Y-12 quilting group. After some intense last-minute bidding, the quilt brought in \$900.

The New Hope Center auction featured a number of handmade items, gift baskets and three basketballs autographed by legendary Lady Vols basketball coach Pat Summitt and current head coach Holly Warlick. The three basketballs, which were donated to the auction by United Way of Greater Knoxville, sold for a combined \$335.

All told, this year's campaign has been a success, and Y-12 once again showed a willingness to help our neighbors in need.

“I'm amazed by the hard work and giving spirit of Y-12's employees.”
—Leslie Thuecks,
chair of this year's campaign