**Awareness of security requirements**

At the Y-12 National Security Complex, we are aware of the vital role we play in safeguarding information. It is a responsibility we take seriously—the security of the work we do and the security of our nation depend on it.

We have always been focused on security, but, like all Americans, we work even harder today to remain aware of our surroundings in a post-9/11 world. We know adversarial tactics have changed, so we change to address them. We face an evolving threat that requires a solid security posture. The Y-12 NSS is ready, willing and able to face that threat.

One of our company’s strategic objectives is to ensure the protection of Y-12. By doing so, we help protect America. That mindset is intrinsic to Y-12. It is part of our culture, from senior management and the Y-12 Safeguards and Security division right down to each individual employee. From our first day on the job, each of us knew we were caretakers of something special.

To meet that challenge, we demand a strict code of conduct. We have in place a set of security policies at Y-12 that we do not bend and certainly do not break. We have no choice but to approach our responsibility in this manner or we fail, plain and simple, and failure is not an option.

If our mission did not require us to work with sensitive materials and information, there would be no need for fences, passwords or badges. If we had no security policies, there would be no need for Y-12—we could accomplish our mission anywhere. But our nation needs Y-12. And Y-12 needs employees who understand and adhere to all security requirements. I expect all employees to follow these requirements. The vast majority of you take pride in your work and make that effort in security, and I applaud you and thank you for your diligence.

We work hard to integrate security in everything we do and to instill it in our work habits. To that end, the Safeguards and Security division has launched a multiweek information campaign that highlights key security messages for employees. From information protection to the dos and don’ts of foreign business travel, these messages supplement the ongoing security training we require of all Y-12 employees. The messages appear on YSource and also are available for employees without computer access.

Each Y-12 employee knows what he or she does counts, and nowhere is that more prevalent than in security. What we do counts not only for Y-12 but also for the safety and security of our nation. Sincerely yours,

George E. Dials

President and General Manager

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**Y-12 celebrates Earth Day**

On April 17, the following organizations received a $200 donation from Y-12’s Aluminum Beverage Can—or ABC—recycling program: Boy Scout Troop 246, Tabitha’s Table Food Ministry, Robertsville Baptist Church, Tennessee Izak Walton League, and the Ft. Loudon Lake Association. Holston Home for Children, Seniors Food Distribution Center, Cumberland Baptist Church, and Keystone Adult Day Program.

Revenues generated from the ABC Recycling Program make these donations possible. Please remember to recycle your aluminum beverage cans because every can counts.
Building a culture that reflects our core values

Getting Results Through People™ is not just another flavor-of-the-month training program. GRTP continues to have a real—and measurable—influence on our ability to remove roadblocks to effective communication.

“Employees who’ve taken the basic class are learning to use different communication styles when they experience frustration in communicating with one another,” said Human Resources’ Ellica Hunt, noting that GRTP skills must be used by each employee to effect change. “Building a team-based culture—one in which we’re actually living our core values—requires that we use what we’ve learned daily.”

Bill McKeethan of Quality Assurance is one such employee who uses GRTP daily to ensure he’s “in tune” with people. “If you cannot reach a person, your message will often breed more confusion than impart good information,” said McKeethan. Reggie Davis of Facilities, Infrastructure and Services said that he uses GRTP regularly. “Sharing pertinent information, listening to others’ ideas and concerns, and involving them in solutions are essential to getting the job done,” said Davis. “I believe that people truly support what they help create.”

“I’ve applied the GRTP tools, and when I apply them properly, the system works,” said Abe Mathews of QA. “I’m beginning to see changes now—changes in the ways employees are attempting to communicate,” he said, acknowledging that for the system to work as intended, it must be pervasive. “We all must use the techniques to see real change.”

Watch YSource for information on Y72-008, Motor Vehicle Safety Policy. The new policy was written to increase personal safety and health of drivers and passengers of vehicles and pedestrians within Y-12.

Y-12 engineers connect with students

Y-12 engineers visited 32 classes and connected with about 600 high school students during National Engineers Week in February. The engineers spoke to academic and vocational classes at Oak Ridge High School; the Anderson County Career Technical Center, which serves both Anderson County High School and Clinton High School; and the Tennessee Technology Center at Harriman.

The speakers were definitely a hit, and Nick Antonas, who coordinated the activity, was excited by the school response. In fact, glowing feedback came almost immediately by e-mail from at least one teacher. His message read, “The speakers have been great today. The kids loved them.”

Naila Howell’s visit to Anderson County High School was particularly timely. One class she spoke to is building a three-bedroom wooden house behind the school. When the structure is complete, they plan to sell and move it to the new owner’s location. Howell, an architectural engineer, thought the students were an impressive group. “Their questions were insightful,” she said. “I also visited an all-female class and was able to share my experiences about how the profession is changing to include more women.”

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Antonas concluded, “… if we affected only 5 percent of them, it was well worth the effort.”

Obituaries

Danny Roberts passed away March 18. He was employed by Y-12 for 30 years and worked as a journeyman carpenter and boilermaker. He was a devoted husband, father and grandfather. He is survived by his wife Melissa; children, Lassie, Emily Keith and Jacob; step-grandchildren; Ashley grandchildren; Lauren Gray and Myfty Gieser; and many other family and friends. Roberts was an avid fisherman and motorcycle enthusiast.

Ed Stooksbury of Quality Assurance passed away March 7. Stooksbury was an employee at Y-12 for 36 years. Ed was a loving husband and dedicated father; he is survived by his wife, Suzanne, and daughter, Sara Beth, and six grandchildren. Stooksbury held a B.S. in safety engineering from the University of Tennessee. Stooksbury is survived by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Stooksbury was preceded in death by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Ed Stooksbury passed away March 7. Stooksbury was an employee at Y-12 for 36 years. Ed was a loving husband and dedicated father; he is survived by his wife, Suzanne, and daughter, Sara Beth, and six grandchildren. Stooksbury was preceded in death by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Stooksbury passed away March 7. Stooksbury was an employee at Y-12 for 36 years. Ed was a loving husband and dedicated father; he is survived by his wife, Suzanne, and daughter, Sara Beth, and six grandchildren. Stooksbury is survived by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Ed Stooksbury passed away March 7. Stooksbury was an employee at Y-12 for 36 years. Ed was a loving husband and dedicated father; he is survived by his wife, Suzanne, and daughter, Sara Beth, and six grandchildren. Stooksbury held a B.S. in safety engineering from the University of Tennessee. Stooksbury is survived by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Stooksbury was preceded in death by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Ed Stooksbury passed away March 7. Stooksbury was an employee at Y-12 for 36 years. Ed was a loving husband and dedicated father; he is survived by his wife, Suzanne, and daughter, Sara Beth, and six grandchildren. Stooksbury held a B.S. in safety engineering from the University of Tennessee. Stooksbury is survived by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Stooksbury was preceded in death by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Ed Stooksbury passed away March 7. Stooksbury was an employee at Y-12 for 36 years. Ed was a loving husband and dedicated father; he is survived by his wife, Suzanne, and daughter, Sara Beth, and six grandchildren. Stooksbury held a B.S. in safety engineering from the University of Tennessee. Stooksbury is survived by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Stooksbury was preceded in death by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Ed Stooksbury passed away March 7. Stooksbury was an employee at Y-12 for 36 years. Ed was a loving husband and dedicated father; he is survived by his wife, Suzanne, and daughter, Sara Beth, and six grandchildren. Stooksbury held a B.S. in safety engineering from the University of Tennessee. Stooksbury is survived by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren. Stooksbury was preceded in death by his wife, Suzanne; and daughter, Sara Beth; and six grandchildren.
Y-12 runs for clean air

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Oak Ridge workers have finished dismantling the uranium components from two major Cold War nuclear weapon systems, federal officials announced. The National Nuclear Security Administration said Y-12 had completed work on the W56 warheads—once deployed on the Minuteman II intercontinental ballistic missiles—and two types of B61 bombs.

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The LEIC needs the space because the staff and programs have increased. The academy trains crime investigators from all over the country in an intensive 10-week training program in evidence identification, collection and preservation.

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Teamwork, coordination place project ahead of schedule

We've all heard the adage “good fences make good neighbors,” but innovations improve security, officer safety.

...where history continues to be made.

Y-12's Safeguards and Security recently hosted the U.S. Department of Defense Physical Security Equipment Action Group. The group’s chair, Mike Toscano, noted it was an accident that the group came to Y-12.

The DoD and the United States Department of Energy share many of the same physical security goals. To be in compliance with National Security Presidential Directive 28, both departments must ensure all nuclear materials and weapons are safe.

The U.S. Department of Energy and the DoD line up well in what we’re trying to protect. Like Y-12, DoD is looking at force multipliers—technologies that will save money and lives.

Y-12 plays critical role in physical security technology

The Remote Operated Weapons System is one example of a force multiplier the DoD is watching. Toscano acknowledged that DOE’s successful deployment of ROWS makes it easier for DoD to field the technology. He said DOE has successfully navigated the “go/chi” that can prevent fielding a weapons system.

Y-12 is also benefiting from DoD technologies. A&P’s Mike Lowe, who was instrumental in bringing the group to Y-12, learned about several technologies through his participation. Successful deployment of technology is crucial for Y-12’s implementation of the Design Basis Threat. In fact, Lowe invited the group to use Y-12 as a test bed for technologies.

Safeguards and Security has established an interface committee as a forum for feedback and improvement between the division and site personnel. This mission directly supports Strategic Objective 2—Ensure the protection of the Y-12 National Security Complex.

The list of organizations affected by this project is quite lengthy and includes Emergency Management, Traffic Safety, the Fire Department, the Protective Force, Criticality Safety and the site’s Operational Safety Board. The list of players includes Safeguards and Security, Facilities, Infrastructure and Services, Planning, Integration and Control, G2 Engineering and the Knoxville Building and Construction Trades Council.

Organizing and communicating with all these entities was a challenge, Sullivan said, but “it takes a lot of planning to make things go smoothly.” He lauds the support from building and facility operations as crucial to this project’s success.

By all measures, the project is a success. Fence 4 is currently two months ahead of schedule, and its completion will significantly enhance Y-12’s security posture.

Security ambassadors introduced

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Ensure the protection of the Y-12 National Security Complex. The committee consists of representatives from across the site. The members include (front row, left to right) Louis Sinor, Larry Garrett, Gary Hagan, Charlotte Johnson, (back row) Bob Spence, James Atwater, Jackie Williams, Steve Weaver, Tom Richoy, Debbie Hunter and Kathryn King-Jones. John Whalen is not pictured.

If you have a story to tell! Contact Ray Smith (576-7781) with suggestions for future stories of Y-12’s unique history and heritage.
In the wake of Sept. 11, protecting our nation’s assets is serious business. Until recently, however, timely use of deadly force by officers protecting those assets was difficult to justify.

Gary Brandon of Wackenhut Services Inc.—Oak Ridge, manager of the Y-12 Protective Force, said it is difficult for security police officers to make the decision to use deadly force before enemy shots are fired. Further complicating this situation, advances in weapons and vehicle armor enable terrorists to approach the site in typical vehicles, providing them greater capability than they would have on foot.

Obviously, if you have to wait until shots are fired, your security force is already at risk. Safeguards and Security’s Rick Glass and his group are focused on minimizing risk, both to officers and to the assets they protect. Glass noted, “Our focus has been on forcing the adversary to declare hostile intent earlier to enable our officers to make those decisions. We’ve put measures in place to ensure that anyone passing certain barriers can only do so intentionally.”

Until these technologies were deployed, officers had no way of knowing whether the occupants of a vehicle approaching a perimeter barrier were potential adversaries or drunk drivers. The officers could not determine the intent of the trespasser without further investigation and delay, which is often risky.

With lives and national security at stake, Y-12 had to do it better, and deployment of a hostile intent system met that challenge. This system features a vehicle detection cable to monitor remote perimeters. This cable is protected against tampering and provides an extremely low nuisance and false alarm rate. Therefore, any alarm from this system is an indication of hostile intent—and the use of deadly force is authorized.

By pairing this system with complementary technologies like night-vision cameras and sniper detection, Y-12 is forcing adversaries to abandon use of armored vehicles or face engagement before they are ready. Thus, officers are able to identify adversaries early and start the engagement on their terms.

With this change, Y-12 remains highly confident that adversaries will be defeated and the Protective Force will survive.

Y-12 plays critical role in physical security technology

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PSEG’s mission is to protect people, places and things, and Y-12 has all of those.

The DoD and the U.S. Department of Energy share many of the same physical security goals. To be in compliance with National Security Presidential Directive 28, both departments must ensure all nuclear materials and weapons are safe.

Recognizing DOE’s capabilities and expertise in the protection of high-value assets, Toscano stated both departments “line up well in what we’re trying to protect.” Like Y-12, DoD is looking at force multipliers—technologies that will save money and lives.

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Toscano referred to Lowe as “key and critical” to his group’s efforts and said it is entirely likely he will take advantage of Lowe’s offer.

What took place in Room 22?

In February 1964, Karl Johnson, a Y-12 employee from the early Manhattan Project days, published a guest column in The Oak Ridge.

Among other things, he told interesting details of the final preparations to ship Y-12’s first product—uranium 235.

The entire Y-12 production of U-235 prior to the dropping of the bomb Little Boy passed through room 22 of Building 9753-1. At one time, there were bars on the windows and a guard was posted outside the door to prevent the output of Y-12’s calutrons. The material was processed in one kilogram batches. Twenty-four karat gold trays weighing about four pounds were used to process the material.

The first batches were ground by hand using a mortar and pestle made of nickel. After the grinding operations, the workers had to check under their fingernails to be sure the material had not accumulated there.

The coffee-cup-size nickel cylinders used to transport the uranium were 21 inches long, ran over it would be a mess to dig up the ground to recover the uranium but in a car it would be all in one place.

Do you have a story to tell? Contact Ray Smith (srd; 576-7781) with suggestions for future stories of Y-12’s unique history and heritage.

If you find historical artifacts as you spring-clean and prepare for the Mega Move, contact Smith or Jennifer Doss (jen; 576-5715) of Y-12’s National Historic Preservation Act Office.
The 67-member Y-12 team showed up in force and was awarded the largest team participating in the Run for Clean Air held April 14 on Cherokee Boulevard. Y-12 also had the fastest top four runners of any team.

Y-12 team captain Elijah Shiknah of Engineering said, “Y-12 had a great showing in the support for the ETFC (East Tennessee Clean Fuels Coalition) and its initiative to improve the environment.”

Participants could test drive vehicles at the hybrid “Ride-n-Drive” and learn about ways to protect the environment.

Meet the new director of FI&S

As a 40-year veteran of the U.S. Navy, Bill Klemm is accustomed to knowing “what you do counts.” Klemm was recently named division manager of Facilities, Infrastructure, and Services after serving as the deputy division manager since September.

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Y-12, the Y-12 Site Office, the National Nuclear Security Administration and NNSA’s acting administrator were on hand to congratulate about 160 Y-12 workers for successfully completing a key milestone in the dismantlement program.

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Ed Stockbury of Quality Assurance passed away March 7. Stockbury was an employee at Y-12 for 36 years. Ed was a loving husband and dedicated father who survived to his wife, Suzanne, and daughters, Sara Beth and Erin Kate. Parents: Earl and Lorene; brothers: Gary and Randy; nieces: Jennifer and Greg, grandchildren: Navya, Colton and Gabriel; and dedicated friend: Bob Welks. Services were held March 10. Ed Stockbury of Quality Assurance was predeceased by his wife, Suzanne; and daughters, Sara Beth and Erin Kate. Parents: Earl and Lorene; brothers: Gary and Randy; nieces: Jennifer and Greg, grandchildren: Navya, Colton and Gabriel; and dedicated friend: Bob Welks. Services were held March 10.

Ed Stockbury
All of our new furniture is adjustable, and overall it certainly will be better for everybody. Ergonomic chairs will be provided for all employees who will be housed in the Jack Case and New Hope centers. “Knoll is well respected for its environment, safety and health principles and its experience in the furniture business,” said Sam Easterling, Projects’ ES&H specialist. “We know that one size does not fit all. Supervisors need to identify any special needs with employees individually and communicate with move coordinators to meet those needs. If there are special accommodations being made today, we need to follow through with similar accommodations in the new buildings or understand why accommodations will no longer be needed. Organizations are responsible for the safety and health of their employees, and supervisors, working with move coordinators and employees, must identify and resolve all employee needs,” he said. Special needs will be handled in a timely fashion but may not be complete at the time of the move because additional components may have to be ordered.

Nearly 70 conference rooms and open areas will be available in the two buildings. Meetings that are expected to last more than a few minutes should not be held in workstations. All conference rooms will be available for online booking.

The Jack Case and New Hope centers are a significant step in the transformation of the Y-12 National Security Complex of the future. This is an exciting time of positive change for Y-12 employees.

With three truckloads of new furniture being delivered daily to the Jack Case and New Hope centers, the furnishings are definitely giving the space a more personal, nearly-ready-to-move-in feel. Furniture assembly is a huge, time-consuming portion of the project and is now approximately 50 percent complete in the JCC and 25 percent complete in the NHC.

Knoll, a designer and manufacturer of top-quality business furnishings, is providing the new furniture for the Jack Case and New Hope centers. “Knoll is well respected for its environment, safety and health principles and its experience in the furniture business,” said Easterling. All workstations have adjustable keyboard units. However, if employees have specially sized ergonomic keyboards that must be moved, move coordinators should be alerted.

Each workstation will have one mobile pedestal perch seat, which is a rolling two-drawer cabinet with a padded top. This seat has been designed and tested to hold 225 pounds, although it is warranted for more weight. It is intended only for limited use and seating for short durations.

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The Jack Case and New Hope centers are a significant step in the transformation of the Y-12 National Security Complex of the future. This is an exciting time of positive change for Y-12 employees.

At the Y-12 National Security Complex, we are aware of the vital role we play in safeguarding information. It is a responsibility we take seriously—the security of the work we do and the security of our nation depend on it.

We have always been focused on security, but, like all Americans, we work even harder today to remain aware of our surroundings in a post-Sep. 11 world. We know adversarial tactics have changed, so we change to address them. We face an evolving threat that requires a solid security posture. The Y-12 NSC is ready, willing and able to face that threat.

One of our company’s strategic objectives is to ensure the protection of Y-12. By doing so, we help protect America. That mindset is intrinsic to Y-12. It is part of our culture, from senior management and the Y-12 Safeguards and Security division right down to each individual employee. From our first day on the job, each of us knew we were caretakers of something special.

To meet that challenge, we demand a strict code of conduct. We have in place a set of security policies at Y-12 that we do not bend and certainly do not break. We have no choice but to approach our responsibility in this manner or we fail, plain and simple, and failure is not an option.

If our mission did not require us to work with sensitive materials and information, there would be no need for fences, passwords or badges. If we had no security policies, there would be no need for Y-12—we could accomplish our mission anywhere. But our nation needs Y-12. And Y-12 needs employees who understand and adhere to all security requirements. I expect all employees to follow these requirements. The vast majority of you takes pride in your work and makes that effort in security, and I applaud you and thank you for your diligence.

We work hard to integrate security in everything we do and to instill it in our work habits. To that end, the Safeguards and Security division has launched a multiweek information campaign that highlights key security messages for employees. From information protection to the dos and don’ts of foreign business travel, these messages supplement the ongoing security training we require of all Y-12 employees. The messages appear on YSource and also are available for employees without computer access.

Each Y-12 employee knows what he or she does counts, and nowhere is that more prevalent than in security. What we do counts not only for Y-12 but also for the safety and security of our nation. Sincerely yours,

George E. Dials
President and General Manager

Fl. Loudon Lake Association; Holston Home for Children; Senior Food Distribution Center; Cumberland Baptist Church; and Keystone Adult Day Program.

Revenues generated from the ABC Recycling Program make these donations possible. Please remember to recycle your aluminum beverage cans because every can counts.

Y-12 celebrates Earth Day

On April 17, the following organizations received a $200 donation from Y-12’s Aluminum Beverage Can—or ABC—recycling program: Boy Scout Troop 246, Tabitha’s Table Food Ministry, Robertsville Baptist Church; Tennessee Isaka Walton League.

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