

# the Y-12 times

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

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## Haslam speaks to economic development officials at Y-12

Some 200 business leaders and elected officials came to Y-12 Jan. 13 to hear then Tennessee Governor-elect Bill Haslam discuss regional economic development strategies. "Much of what I know about economic development has come from many people in this room," Haslam said at the Innovation Valley Inc. event, which wrapped up his statewide swing tour before he headed to Nashville for his inauguration Jan. 15.

Haslam told the crowd at New Hope Center that job creation is the stated priority of all 26 of the new governors elected this year. He outlined what he believes are the three key elements to attracting new industries to Tennessee.

First, he said we must understand what our competitive advantages are and effectively communicate these advantages. He pointed to Innovation Valley as a differentiator that could help attract high-technology industries.

Second, regional cooperation is a more effective approach to economic development, because working in partnership, we have more to offer, he said. "By creating specific regional strategies across the state, we aim to make Tennessee the No. 1 location in the Southeast for high-quality jobs," he said.

Finally, he stressed that the education level of a region's work force is enough to make or break the decision to relocate an industry. "Only 21 percent of Tennesseans over the age of 25 have a college degree, compared to a national average of 30 percent."

Representatives of Y-12, Oak Ridge National Laboratory and the University of Tennessee joined Haslam on stage to talk about economic and scientific successes in the region. Innovation Valley Inc. is a regional initiative created to implement a five-year blueprint for business growth in the Knoxville–Oak Ridge area. Y-12, ORNL and UT all actively support Innovation Valley initiatives.

Tennessee Governor-elect Bill Haslam speaks to an audience of 200 about regional economic development at an Innovation Valley Inc. event Jan. 13 at Y-12. Seated (left to right) are David Millhorn, executive vice president, University of Tennessee; Dr. Thom Mason, director, Oak Ridge National Laboratory; John Howanitz, senior vice president, B&W Y-12; and Ted Sherry, manager of the National Nuclear Security Administration Y-12 Site Office.

# Jones takes ATLC reins

When Garry Whitley retires, he will do so with four years as the president of the Atomic Trades and Labor Council under his belt—and more than 41 years at Y-12. Representing approximately 2,000 hourly workers across the Oak Ridge Reservation came with its share of both challenges and victories.

“During my tenure, we’ve been able to negotiate good, steady raises and keep benefits at the same level, even throughout contract changes,” Whitley said. “We were also a part of the apprentice program rebirth, which has been great for Y-12 and the council.”

Along with the triumphs have come challenges. “The switch of the work force to a 4/10 schedule was a major change in our labor philosophy. Any time you have a change of that magnitude, it can be tough,” Whitley said.

As for passing the leadership baton to his successor, Steve Jones, Whitley said he didn’t give any specific advice. “I have just tried to make sure he has the tools and contacts he needs to be successful, and I know he’ll be able to take it from there,” Whitley said.

Jones, a pipefitter by trade, is no stranger to Y-12 or the ATLC, having served as the recording secretary for the past six years and, before then, as a union delegate. He expects to face some challenges with the pending management contract.

“As long as we continue to maintain the good relationships with contractors, we’ll be able to communicate with each other and resolve any bumps along the way,” said Jones. “The leadership team is very united, and we plan to stay that way.”



When Steve Jones (left) assumed his role as ATLC president, he was backed by outgoing president Garry Whitley (right).

# DSW disposition efforts contribute to complexwide goals

Earlier this year, the Directed Stockpile Work Program shipped several tons of legacy uranium parts to the Nevada National Security Site. As disposition progress continues around the complex, a DSW-funded team has been working to clear out legacy material and contribute to complexwide disposition plans. “These projects are creating much needed in-process storage for ongoing DSW programs,” said Dan Linehan, deputy director of DSW and Campaigns/Plant Directed Research, Development, and Demonstration Programs.

The parts had been stored in Building 9204-2E for more than 15 years for possible reuse. Max Galyon, Patty Clark and several material handlers were part of the team with the task of inventorying every part and, based on program needs, determining whether to keep the parts or dispose of them. “It was a challenge,” said Material Management’s Clark, who performed the hands-on inventory of items “to locate, identify and containerize every part.” Galyon then determined whether to keep them. The effort involved nearly 2,100 items.

Ultimately, some parts were kept, but seven metric tons of depleted uranium were shipped to the Nevada National Security Site.

The project took several months to complete and accomplished several goals. “Our concerns were safety, security, inventory reduction and freeing up space,” said Galyon.



From left, Max Galyon, Patty Clark and Dan Linehan in the storage area that was emptied of unneeded legacy uranium parts.

# ISM: A contributor to safe demolition

Building 9766 became history last October, but its demolition presented a unique safety challenge. The building contained three major health hazards—beryllium, asbestos and radiological material. “There was no precedent at this site for cleanup of these materials at one time,” said Dave Kirby, Industrial Hygiene.

To deal with the combined hazards, the project team relied on the Integrated Safety Management process. “The challenge was to anticipate and understand the hazards

so we could put effective controls in place—to be proactive rather than reactive,” stated Chris Phillips, Y-12 Safety.

One concern was the beryllium dust remaining from operations many years ago. The lingering material created handling issues because of today’s low exposure limits for workers. Samples showed surface contamination throughout the attic and contamination inside the process ductwork in the west attic area. Consequently, the potential existed for workers to be exposed to beryllium if the materials were not effectively controlled.

The cleanup method used is described as “peeling an onion from the inside.” Starting from the interior of the building, containerized material was removed, the building’s nooks and crannies were washed down with water, and any remaining beryllium contaminants were sealed to the surfaces with a fixative paint material. To contain the beryllium materials inside the ductwork, workers inserted a hardening foam before they began the cutting, wrapping and removal.

The project team also had other hazards. “Areas were decked with 3/4-inch plywood to mitigate the potential for falls,” Phillips explained. “Where that option was not feasible, workers used horizontal lifelines.”

Constant air monitoring of the facility and personal air monitoring for workers continued through cleanup.

Both Kirby and Phillips praised the team. “Everybody brings something to the table,” Kirby said. The emphasis on ISM principles by the team was instrumental in keeping workers safe and effectively completing demolition of the facility. The job was completed without incident.



The Building 9766 demolition team continually asked questions and made adjustments because of the higher level of unknowns.

# Inspectors give stamp of approval

Y-12 has disposed of tens of thousands of cubic meters of waste through its American Recovery and Reinvestment Act projects, and every bit of that waste has been surveyed by Dimensional Inspection’s seven inspectors. The inspectors have monitored and inventoried more than 900 B-25 and B-24 containers before the waste was shipped off site for disposal.

“Nothing is loaded without Dimensional Inspection’s signature, in conjunction with Jan Jackson’s organization (Pollution Prevention) and Tim Foust’s organization (Waste Management),” said Mike Lee, an operations specialist. “If the Dimensional Inspection audit does not match that of Waste Management, the shipment is halted.”

The inspectors ensure only appropriate materials are shipped off site and have stopped several shipments that posed a security concern. The group also has worked hundreds of overtime hours to make sure the shipments are properly loaded for off-site delivery.

Department Manager Paul Rogers said he was proud of the inspectors, who, in spite of rigorous schedules, had no recordable injuries. “Removal of legacy material is challenging in itself, but working environments that could change in an instant require our inspectors to be attentive and aware of their surroundings and the job requirements at all times,” said Rogers. “This team has gone above and beyond in this assignment. I’m proud of them.”

The inspectors are Lem Cox, Tim Galyon, James Harvey, Shane Merritt, James Shelley, Mike Smith and Curtis Vowell.



All of the waste from Y-12’s American Recovery and Reinvestment Act projects has been surveyed by Dimensional Inspection’s inspectors. From left, Curtis Vowell, Richard McCarty (previous operations supervisor), Shane Merritt, Mike Lee, Lem Cox, Tim Galyon, James Harvey and Mike Smith. Not pictured: James Shelley.

# Defense Programs honors employees each quarter

When the military recognizes good work, it typically puts the honor on display. One favorite “attaboy” technique is placing the honoree’s picture and a write-up in a common area so everyone can read about the person’s good work.

The NA-10 organization, which oversees defense programs work at the sites, brought that practice to the National Nuclear Security Administration two years ago when it created the Defense Programs Employee of the Quarter awards.

Col. Efren Garcia, former executive director for nuclear safety and operations (and recent retiree), said he personally framed the portraits and write-ups and put them on display at the Forrestal Building so others can see and read them. However, not all of the top brass heard about the awards initially.

“Administrator D’Agostino was headed to a meeting and stopped to look at our wall,” explained Garcia. “He asked Jerry Talbot what the awards were for, and after Jerry explained them, the administrator stayed and read all of them. Now, he stops by and checks the new ones every quarter.”

Although Garcia is now retired, the recognition program will be continued, and his framing and hanging successor is soon to be named.

Each of the eight sites in the Nuclear Security Enterprise has followed suit. You can see Y-12’s wall of honors on the second floor of the Jack Case Center, outside the conference center.

Every year, four contractor and four federal employees are honored for their contributions to Defense Programs work.



## SAFETY: The top priority

Jack Frost visited East Tennessee early this year, and his visit put a kink in Y-12’s planned Voluntary Protection Program kickoff, but the weather plans that went into action Dec. 13 are a prime reason Y-12 is a candidate for the VPP Star status.

Last November, Y73-006, *Inclement Winter Weather Planning, Response, and Recovery*, became effective. This procedure describes the processes for monitoring weather and road conditions and includes details about relaying Y-12 plant closures, delays or early releases due to inclement weather. The Y-12 Safety Department wrote and maintains the procedure.

“It requires teamwork to implement this procedure,” explained Dale Stewart of Safety. “When inclement weather is imminent, the procedure is put into action. Safety; Facilities, Infrastructure and Services; the Plant Shift Superintendent’s office; and Public Affairs work together.”

Those responsible keep an eye on the weather reports; once a decision is made on Y-12’s operating status, the external website (<http://www.y12.doe.gov>) and weather hotline (241-1212) are updated; Facilities, Infrastructure and Services personnel are notified about when to report for clearing the grounds.

When employees reported to work Dec. 14, the efforts of this team were seen. The parking lots and sidewalks were mostly clear and ice chaser was abundant. “Our main concern is the safety of employees,” Stewart said. “We want to ensure everyone goes home in the same condition in which he or she arrived at Y-12.”

So while the VPP kickoff has been rescheduled (Jan. 26, New Hope Center), it’s clear to see that Y-12 keeps safety at the forefront.

### WHERE TO CHECK FOR INFORMATION

The weather doesn’t always cooperate with intended plans, so check the weather line (241-1212), the external website or the Y-12 NSC Facebook and Twitter accounts for the latest weather advisories.

Y-12 Web — <http://www.y12.doe.gov>

Twitter — <http://twitter.com/y12nsc>

Facebook — <http://www.facebook.com/y12nsc>

# Finding the future of Y-12

Greeting college students at career fairs is one way B&W Y-12 seeks out future employees.

Since 2007, more than 3,500 people have applied for Y-12 positions through college recruiting. “It helps replenish the skill set as employees retire,” explained Dana Rupert of Employment Services.

Sanchez Harley, a pipe design engineer, has been an employee for nearly five years and first learned about Y-12 at a career fair as a Tennessee State University student. While he waited for his security clearance, he decided to become a career recruiter himself.

“It’s still so much fun; I love to go out to my alma mater and recruit the upcoming class of students and graduates. I like when they ask a lot of questions—it shows they have an idea of what they want,” Harley said.

Anita Bowman, a process engineer and recruiter since June, said, “We’re able to connect with students and get them excited. In turn, it’s exciting for us to see so many strong candidates interested in Y-12 and know who’s applying. And we don’t just look for engineers; we recruit for all different disciplines. Recruiting helps us select the best and the brightest for Y-12 as a whole.”



Y-12 recruiters seek out talent at a career fair held at the University of Tennessee last fall. According to Dana Rupert of Employment Services, 339 employees have been hired through the program since fiscal 2000.

## Valuable recruiting

Through college recruiting efforts, recent graduates are given the chance to grow within B&W Y-12 while contributing to national security missions.

“I was almost an economic casualty of the Sept. 11 attacks,” said Environmental Management’s Sabrina Hampton. “Hiring had almost completely dried up in private industry for newly minted engineers.”

Luckily, Hampton had applied to Y-12 while attending college. She reported to work five days after graduation. After beginning her career as a shift technical advisor, she now provides oversight and compliance guidance for the removal of legacy materials.

“I was fortunate to receive mentorships from several people at the complex and a couple of really good preclearance work opportunities,” Hampton continued.

Jason Hatfield, director of Emergency Services, agreed. He joined Y-12 nine years ago as a systems engineer.

“The key to any career is not waiting for things to be handed to you,” Hatfield said. “Take any opportunity you can. When I started, I would go to my boss and say, ‘I have these ideas, can I take this on?’ and, of course, he didn’t have any objection; I was willing to get stuff done.”

Hatfield has noticed the development and growth of the College Recruiting Program since he joined Y-12. He believes the new-hire mentoring process helps retain employees. “When they’re grouped together, they’re able to learn as they all go through the process,” he explained. “They’re able to build relationships outside of their immediate supervision and go on to be more successful here.”



This year, 21 recruiters fanned across the region to visit 10 schools. Rob Kring (left) and Anita Bowman (center) speak with a University of Tennessee-Knoxville student about the missions of Y-12.



# Y-12 Holiday

You likely have heard it most of your life: It's better to give than to receive. For many Y-12 employees who volunteered with this year's Y-12 Employees' Society Angel Tree Program, they experienced firsthand that adage is true. The 2010 program helped 700 children in five surrounding counties: Anderson, Loudon, Monroe, Loudon and Scott.

As my kids open their presents this Christmas, I know there will be hundreds of other kids who will have smiles on their faces because I and lots of other Y-12 employees gave up a few hours of our time or spent a little money to buy a present for a child in need.  
—Jim Anderson, shopper

They [two students who assisted her] experienced the powerful gift of giving back during a crazy, hectic time where sometimes kids forget that their wish list isn't the only one in the world and that sometimes someone else's wish list is filled with things that most of us take for granted.  
—Sherri Nichols, sorter

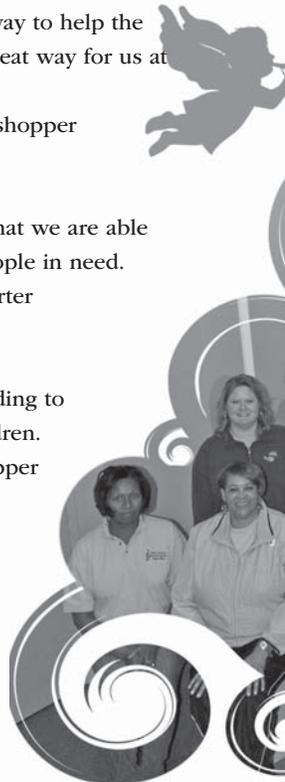
Seeing overflowing gift bags for each angel, I thought of the parents. Being a single parent myself for many years, I know the joy the parents will feel that their child will have gifts to open on Christmas Day.  
—Carla Fyie, sorter

This is a great way to help the community and a great way for us at Y-12 to give back.  
—Fonda Hampton, shopper

Our families' basic needs are met on a daily basis and it truly touched our hearts that children were going without what we consider a basic necessity—a bed to call their own. A group decision was made to adopt a child and make sure this child received a bed and the bedding that was also needed.  
—Elaine Najmola, giver

I was touched that we are able to help so many people in need.  
—Rachel Carvell, sorter

It's VERY rewarding to get to help out children.  
—Shari Bryant, shopper



2010 Y-12  
Angel Tree  
volunteers

# Y-12 Happenings

Inclement weather caused havoc on several Y-12 events in December (see page 4), including the Y-12 employees' holiday party scheduled for Dec. 16, a day the site was closed because of weather conditions. It was decided by the Y-12 Employees' Society (sponsor of the party) and senior management that the party be canceled because of the weather and employees' vacation/holiday schedules. The food purchased for the party was donated to Second Harvest Food Bank.

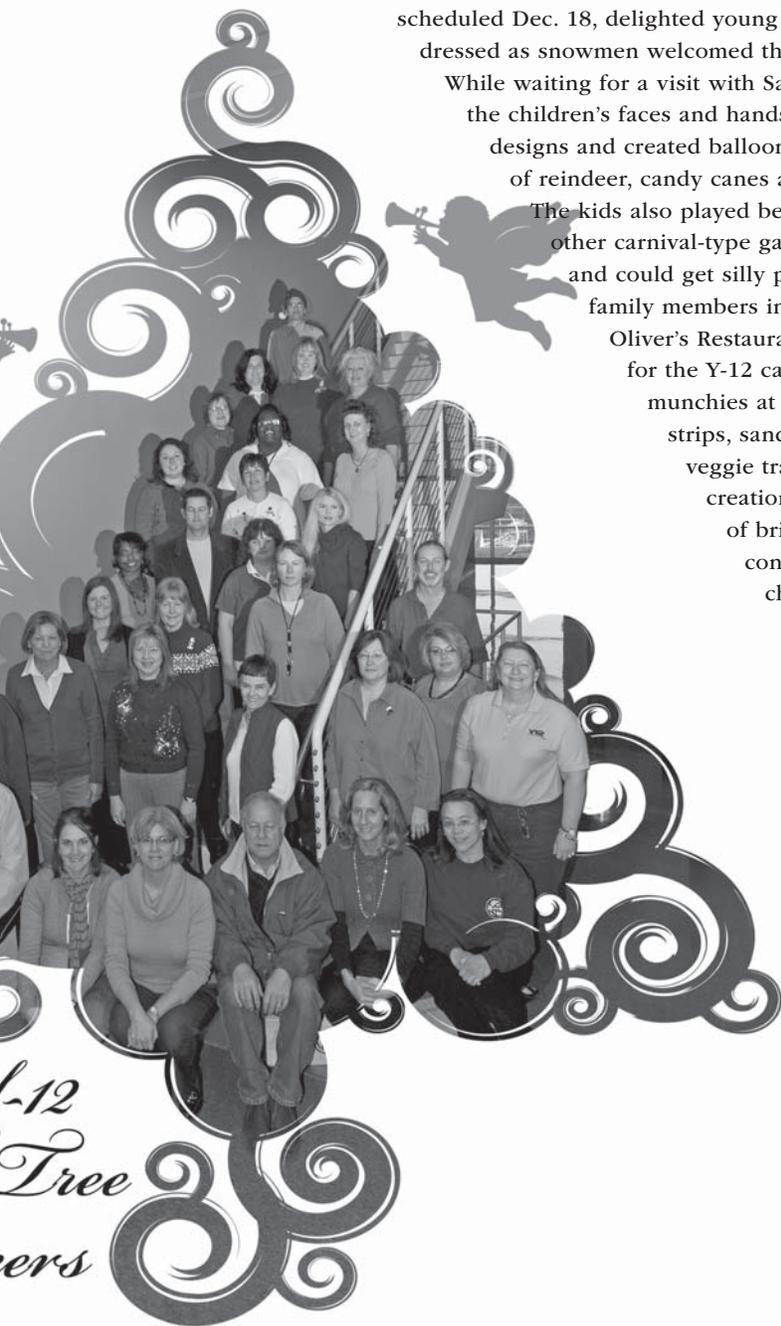
All Y-12 employees were included in a random drawing for five flat-screen televisions. Congratulations to winners Jennifer McMillan, Brenda Bunch, Edward Bruce, Michael Dobson and Robert Bigelow.

The children's holiday party, which was held as scheduled Dec. 18, delighted young and old. Greeters dressed as snowmen welcomed the boys and girls.

While waiting for a visit with Santa, elves painted the children's faces and hands with fantastical designs and created balloons in the shapes of reindeer, candy canes and snow globes.

The kids also played beanbag toss and other carnival-type games for prizes and could get silly photos taken with family members in two photo booths.

Oliver's Restaurant, food provider for the Y-12 cafeteria, kept the munchies at bay with chicken strips, sandwiches, cheese and veggie trays, and candy-land creations with mountains of brightly colored confections. About 1,000 children attended the party.



# BENEFITS SUMMARY ANNUAL

## 2009 Summary of Findings

This is a summary of the annual reports of the GROUP WELFARE BENEFIT PLAN FOR EMPLOYEES OF CERTAIN EMPLOYERS AT THE U.S. DEPARTMENT OF ENERGY, a health, life insurance, dental, vision and death benefits plan (employer identification number 54-1987297, plan number 506) for the plan year ending 12/31/2009 and the CERTAIN EMPLOYERS AT THE U.S. DEPARTMENT OF ENERGY FACILITIES AT OAK RIDGE, TENNESSEE (employer identification number 54-1987297, plan number 506). The annual reports have been filed with the Employee Benefits Security Administration, as required under the Employee Retirement Income Security Act of 1974 (ERISA). The LLC has committed itself to pay certain claims incurred under the terms of the group welfare benefit plan.

## Welfare

### INSURANCE INFORMATION

The plan has contracts with DELTA DENTAL OF TENNESSEE, AETNA LIFE INSURANCE CO., UNITED HEALTHCARE INSURANCE COMPANY, LIFE INSURANCE COMPANY OF NORTH AMERICA, CONNECTICUT GENERAL LIFE INSURANCE COMPANY, CIGNA HEALTHCARE OF CALIFORNIA, METROPOLITAN LIFE INSURANCE COMPANY, and VISION SERVICE PLAN to pay certain claims incurred under the terms of the plan. The total premiums paid for the plan year ending 12/31/2009 were \$32,064,075.

Because they are so called "experience-rated" contracts, the premium costs are affected by, among other things, the number and size of claims. Of the total insurance premiums paid for the plan year ending 12/31/2009, the premiums paid under such "experience-rated" contracts were \$23,350,660 and the total of all benefit claims paid under these experience-rated contracts during the plan year was \$20,851,256.

### BASIC FINANCIAL STATEMENT

The value of plan assets, after subtracting liabilities of the plan, was \$(1,561,289,647) as of the end of plan year, compared to \$(940,488,057) as of the beginning of the plan year. During the plan year the plan experienced a change in its net assets of \$(620,801,590). This change includes unrealized appreciation and depreciation in the value of plan assets; that is, the

difference between the value of the plan's assets at the end of the year and the value of the assets at the beginning of the year or the cost of assets acquired during the year. During the plan year, the plan had total income of \$(382,968,969) including employer contributions of \$167,421,851, employee contributions of \$70,410,770, gains/(losses) of \$0 from the sale of assets, and earnings from investments of \$0. Plan expenses were \$237,832,621. These expenses included \$11,044,760 in administrative expenses, \$226,787,861 in benefits paid to participants and beneficiaries, and \$0 in other expenses.

### YOUR RIGHTS TO ADDITIONAL INFORMATION

You have the right to receive a copy of the full annual report, or any part thereof, on request. The items listed below are in that report:

1. An accountant's report.
2. Financial information and information on payments to service providers.
3. Insurance information including sales commissions paid by insurance carriers.

## Savings

### BASIC FINANCIAL STATEMENT

Benefits under the plan are provided by a trust fund. Plan expenses were \$51,705,921. These expenses included \$1,386,073 in administrative expenses and \$50,319,848 in benefits paid to participants and beneficiaries, and \$0 in other expenses. A total of 12,221 persons were participants in or beneficiaries of the plan at the

end of the plan year, although not all of these persons had yet earned the right to receive benefits.

The value of plan assets, after subtracting liabilities of the plan, was \$1,467,471,557 as of the end of the plan year, compared to \$1,228,103,214 as of the beginning of the plan year.

During the plan year the plan experienced a change in its net assets of \$239,368,343. This change includes unrealized appreciation or depreciation in the value of plan assets; that is, the difference between the value of the plan's assets at the end of the year and the value of the assets at the beginning of the year or the cost of assets acquired during the year. The plan had total income of \$291,074,264, including employer contributions of \$24,140,883, employee contributions of \$63,558,679, gains/(losses) of \$0 from the sale of assets, and earnings from investments of \$200,962,594.

### YOUR RIGHTS TO ADDITIONAL INFORMATION

You have the right to receive a copy of the full annual report, or any part thereof, on request. The items listed below are in that report:

1. An accountant's report.
2. Financial information and information on payments to service providers.
3. Assets held for investment.
4. Information regarding any common or collective trusts, pooled separate accounts, master trusts or 103-12 investment entities in which the plan participates.

### MORE INFORMATION

To obtain a copy of the full annual reports, or any part thereof, write or call the office of the plan administrator at:

# REPORTS

REGULATORY FACILITIES AT OAK RIDGE, TENNESSEE, THE SAVINGS PROGRAM FOR EMPLOYEES OF Y-12 (2009) for the plan year ending 12/31/2009. THE BABCOCK & WILCOX TECHNICAL SERVICES Y-12,

BABCOCK & WILCOX TECHNICAL SERVICES Y-12, LLC

602 SCARBORO ROAD, MS 8258  
OAK RIDGE, TN 37830  
(865) 241-2966 (Welfare)  
(865) 574-9285 (Savings)

You also have the right to receive from the plan administrator, on request and at no charge, a statement of the assets and liabilities of the plans and accompanying notes, or a statement of income and expenses of the plans and accompanying notes, or both. If you request copies of the full annual reports from the plan administrator, these two statements and accompanying notes will be included as part of those reports.

The charge to cover copying costs does not include a charge for the copying of these portions of the reports because these portions are furnished without charge.

You also have the legally protected right to examine the annual reports at the main office of the plans: 602 SCARBORO ROAD, OAK RIDGE, TN 37830, and at the U.S. Department of Labor in Washington, D.C., or to obtain copies from the U.S. Department of Labor upon payment of copying costs. Requests to the Department should be addressed to: Public Disclosure Room, Room N-1513, Employee Benefits Security Administration, U.S. Department of Labor, 200 Constitution Avenue, N.W., Washington, D.C. 20210.



## JANUARY

### 45 years

Engineering: Charles T. McLoughlin

### 44 years

Budgets: James W. Cox  
Quality Assurance: John B. Stephens

### 43 years

Quality Assurance: Andrea K. Zava

### 42 years

Production: Carl H. Linginfelter and Danny H. Lowry

Resource Management: James E. Kincaid

### 40 years

Engineering: Winfred E. Shoopman  
Maintenance Execution: Steven D. Henegar  
Production: Ronnie L. Bardill, Earl D. Dagley, Julian C. Gross  
Resource Management: Thomas T. Hardy, Ernest E. Johnson and Darrell L. Justice

### 35 years

Engineering: Max D. Galyon  
Material Management: Reginald J. Westmoreland  
Plant Services: Kenneth C. Neely  
Production: Rose B. Lancaster  
Program Planning: Margaret L. Dyer  
Resource Management: Ronnie L. Barbra, John W. Harris, Philip A. Stanley, Tony L. Stansberry and Harold L. Wilson Jr.  
Technical Integration: Hal G. Travis  
Technology Development: Layton N. Howell Jr.  
Training Management and Delivery: Billie C. Thorpe

### 30 years

Benefits Service Center: Deborah L. Randolph  
Engineering: Glenn L. Pfennigwerth and Rocky L. Walker  
Facility Management and Programs: Charles B. Lee II  
Production: Robert L. Packett and Raymond E. Richardson  
Quality Assurance: Thomas M. Clark, Timothy D. Comer and Michael G. Hamer  
Resource Management: Lester A. Dunn, Steven B. Ellis, Calvin E. Gallaher and Charles D. Price  
Safeguards, Security and Emergency Services: Michael L. Bath  
Uranium Processing Facility: Patricia S. Fortune

### 25 years

Communications Services: Susan J. Spencer  
Information Technology: Holly A. Davis and Kristen V. Sammons  
Plant Services: Mona J. Royster  
Production: Jerry L. Goins  
Quality Assurance: Ralph D. Johnson  
Safety: Mark W. Haskew  
Technology Development: Amy L. DeMint

### 20 years

Emergency Services: Robert F. Gee  
Environmental Management: Amanda B. Crumby  
Industrial Hygiene: Larry C. Brantley  
Information Technology: May I. El-Messidi

## FEBRUARY

### 43 years

Engineering: Douglas E. Bailes

### 42 years

Resource Management: Kenneth E. Jack

### 41 years

Information Technology: James A. Seneker  
Production: Neal A. Hill  
Quality Assurance: Cheryl Y. Ellis

### 40 years

Production: Jerry C. McCoy  
Resource Management: Samuel Carmichael, James M. Fowler and Wylie C. King

### 35 years

Environmental Compliance: Brenda S. Vann  
Human Resources: Alma U. Sheard  
Plant Services: Dana E. Walker  
Production: Sharon B. Ellis  
Radiological Control: Marita D. Barnes  
Resource Management: Maury W. Anderson and James W. Pate

### 30 years

Infrastructure Programs: Anne W. Backus  
Production: Douglas T. Coile, Sam S. Justice and Jesse R. Martin  
Quality Assurance: Patrick S. Stair  
Resource Management: Allen B. Green

### 25 years

Engineering: Noble A. Hensley  
Maintenance Execution: Michael D. Burnette  
Material Management: Kenneth R. Clotfelter

### 20 years

Emergency Services: Gary E. Bradshaw, Danny R. Lawson and Donald B. McGuire  
Engineering: Roger D. Aigner  
Material Management: Elizabeth D. Johnson  
Nuclear Materials Control and Accountability: Thomas L. Finch  
Production: Johnny W. Eble II and Angelique D. Fritts  
Quality Assurance: Ronald W. Flack  
Resource Management: Robert L. Harrington and Alvin R. Lindsey Jr.  
Safety: Paul F. Chapman  
Talent Management: Robert H. Schriver III  
Waste Management: Earl R. Schubert

## In memoriam

Two members of the Y-12 family have passed away. These employees are listed as members of the organizations in which they worked on their last day of work.

Charlotte Clark of Safeguards, Security and Emergency Services had 11 years of company service. Her date of death was Dec. 5.

Young Y. Chan of Engineering passed away Nov. 21. He had 26 years of company service.

Y-12 offers condolences to the friends and family of these employees.



# Y-12 THROUGH THE DECADES

## the EARLY 1950s



When Russia exploded its first atomic bomb Aug. 29, 1949, the Cold War began in earnest. While its nuclear explosion was a surprise, Russia's desire to expand control in Europe was well known. An effort to prepare America's nuclear defense was already under way.

The Atomic Energy Commission's General Manager Walt Williams had the idea Y-12 should be used to machine uranium. He asked Y-12 to send a team to Los Alamos Scientific Laboratory to work out the details, then come back to Y-12 and install the equipment to manufacture the needed components.

Y-12's Jack Case, Wimpy Hilton and John Strohecker visited Los Alamos and were admitted to the highly classified weapons areas. As the story goes, on their first day they were shown everything, but before they had a chance to collect the information needed, someone up the line pulled the plug and told the men their clearances were no good.

The group was told to cool their heels by sightseeing while AEC officials kept the phone lines hot trying to get things back on course. After an extended period, the team finally got back in.

When the team returned to Tennessee, they designed and built the facilities for machining uranium and also created the first facilities for producing uranium metal from green salt in greater than lab-scale quantities.

The AEC requested a cost estimate for producing a certain number and type of weapons components. The Y-12 team was at a loss as to how to estimate the cost, not knowing in any detail what equipment and labor would be needed. Y-12 had no experience at all with machining uranium metal parts, but the AEC insisted. The team finally came up with an estimate of \$500,000, which turned out to be just what was charged.

Out of this new beginning for Y-12 came the world's most precise machine shop, capable of doing almost anything. A can-do attitude resulted from the successes of the early years.



## Around Y-12 ...

- **B&W Y-12 received word Dec. 16 of the U.S. Department of Energy contractors two-year pay freeze.** B&W Y-12 President and General Manager Darrel Kohlhorst said, "In light of the current economy and with so many individuals out of work, we are fortunate to have the opportunity at Y-12 to serve our nation and to make the world safer, and we'll continue to do outstanding work for our country." More guidance is expected from DOE, and employees' questions will be answered as information becomes available.
- **Anthony Belvin of the Technology Development organization received an American Association for the Advancement of Science Science and Technology Policy Fellowship with a placement at the U.S. Department of Energy's Office of Nuclear Energy.** Belvin is the first Fellow ever selected to work in this office. "By participating in this fellowship program, I hope to develop programs, policies and initiatives that will advance the nation's use of nuclear power and decrease the nation's dependency on foreign oil," he said.
- **United Way contributions from employees, retirees and the corporation in 2010 totaled \$945,767, the highest United Way contribution level ever at the complex.** "We focus our giving on the United Way," B&W Y-12 President and General Manager Darrel Kohlhorst said, "since it helps thousands of East Tennesseans through its member agencies. For our 2010 campaign, we increased our efforts even more in light of the difficult economy and acute needs in our communities."
- **B&W Y-12 sponsored a holiday party for more than 120 soldiers and family members of the 278th Armored Cavalry Regiment.** This celebration was a culmination of efforts by employees that began more than a year ago, which included bringing the soldiers home from Camp Shelby, Miss., for the holidays in 2009 and supporting the families during the soldiers' deployment. Y-12 photographers made family portraits, and each of the 54 soldiers received a \$50 gift card and a turkey. The soldiers' children also got to visit with Santa, who provided each child under 12 a stocking with toys, fruit and a \$10 gift card. Y-12 photographers also captured each child's visit with Santa, and Oliver's Restaurant provided the meals at cost.
- **A kickoff party for the 2011 Secret City Festival, set for June 17 and 18, was held Dec. 2 at the New Hope Center.** The Secret City Festival is organized by the city, the Arts Council of Oak Ridge, and the Oak Ridge Convention and Visitors Bureau. B&W Y-12 has pledged \$25,000 for the event.
- **Tennessee Department of Environment and Conservation inspectors found no noncompliance findings during their annual compliance inspection of Y-12's hazardous waste management practices.** In November, the audit team inspected more than 40 Resource Conservation and Recovery Act-permitted storage and accumulation areas, examined RCRA annual reports, training records, spill control equipment and other documents. This year marks the third consecutive year that no noncompliance findings were identified. Brad Skaggs of Environmental Compliance said, "This accomplishment would not be possible without the diligent efforts of waste generators, environmental officers, and Waste Management and Environmental Compliance personnel."
- **The recently updated Y-12 History website (<http://www.y12.doe.gov/about/history/>) now has Y-12 Bulletins from the 1940s.** Coordinated by Jennifer Dixon, Y-12's National Historic Preservation Act coordinator, and Y-12 historian Ray Smith, this project creates online scanned copies of bulletins chronicling Y-12 history. Dixon explained, "I wanted the scans to be readable online so that the articles could actually be read as they were accessed."

## CORRE updates

The Coalition of Oak Ridge Retired Employees, or CORRE, held its annual meeting in Oak Ridge last fall, with an estimated 300 people in attendance. Retirees and other interested people who were unable to attend the meeting can find the minutes posted on the CORRE website ([www.corre.info](http://www.corre.info)).

The nominating committee presented the names of two individuals for election to the CORRE Board of Directors: Steve Stow and Mike Willard. They were unanimously elected and will join continuing board members.

Also available on the CORRE website is a booklet about CORRE (what it is, what it does and why it does it). The booklet also informs constituents and elected representatives about CORRE and its programs. Look under Information, Reports on the website.

—Submitted by Judy Kibbe, CORRE Communications

## 'Y-12 earns 'excellent' rating for 2010

B&W Y-12 earned an "excellent" rating of 94 out of a possible 100 from the National Nuclear Security Administration for its fiscal year 2010 performance, resulting in a fee award of \$45,200,590 for the management and operation of the Y-12 National Security Complex.

B&W Y-12 also was awarded \$2,827,418 for work that Y-12 performed for other government agencies, and \$5,456,603 for its management of one of the largest American Recovery and Reinvestment Act contracts in the nation, which includes demolition or cleanup of several aged facilities at Y-12.

The total 2010 fee award of \$53,484,611 is an increase of almost 10 percent over the \$48,664,833 awarded for fiscal 2009.

Among highlights of fiscal 2010 were the dedication of the Highly Enriched Uranium Materials Facility, the site's largest construction project in more than 40 years, and completion of the Steam Plant Life Extension and Potable Water System Upgrades projects.

"The transformation of Y-12 from a Cold War nuclear weapons complex into a 21st century Nuclear Security Enterprise took major steps forward in 2010 with completion of these critical infrastructure projects," B&W Y-12 President and General Manager Darrel Kohlhorst said. "Now we're applying that expertise as we design the capstone of our transformation efforts: the new Uranium Processing Facility."

In addition to its major project work, B&W Y-12 excelled in its core defense programs work by exceeding W76-1 Life Extension Program requirements. The site continued ARRA projects at the same aggressive pace as last year. Y-12 also had significant physical security enhancements implemented, and work for other agencies surpassed the company's goal by 42 percent.

"The fee that B&W Y-12 earned for its management of Y-12 is the result of a lot of hard work by our employees at all levels in the company," said Kohlhorst.

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## Why Governance Transformation matters

How many people does it take  
to change Y-12?



All of us.

Governance Transformation is about taking work processes that are cumbersome, ineffective or complex and transforming them into processes that are efficient and effective. In a draft National Nuclear Security Administration Policy Letter issued in September, NNSA Administrator Thomas D'Agostino stressed that we must “effectively utilize our limited budgetary resources” and transform management activities to ensure we complete our missions. The name for this effort is Governance Transformation, and it will soon become part of the Y-12 vocabulary as well as part of how we operate.

“Governance Transformation adds firepower to some of the productivity programs we already have,” said Ken Ivey, NNSA Y-12 Site Office assistant manager. “It does not get rid of oversight, but it creates a framework for YSO and contractor employees to address requirements and oversight issues that just don't make sense. As we do this, one thing doesn't change—we will maintain safety and security for the site, our workers, the public and the environment.”

Productivity and efficiency are the key drivers behind Governance Transformation. “Underfunded programs are part of our reality here at Y-12. We have to find ways to accomplish more with current resource levels,” said Nancy Johnson, B&W Y-12 vice president of Productivity.

Implementation of Y-12's Governance Transformation Plan will wrap up in September 2012, but the push to make the oversight process as efficient as possible will be ongoing. “Years from now, we will address things that are not even a consideration today,” said Johnson. *The Y-12 Times* and other publications will regularly communicate information about Governance Transformation to employees and stakeholders.