

Ceremony opens new chapter in Y-12 history book

Y-12's rich history and bright future met and were celebrated at the July 10 ribbon-cutting ceremony and dedication of the New Hope and Jack Case centers.

Employees and passersby have watched for 18 months as the two sites were transformed. Ground was broken; equipment, supplies and construction workers rolled in; foundations were set and exterior walls went up; steel beams were placed; brick was laid; glass was installed; a million feet of wiring was run; wall colors and furniture were chosen; a long-awaited history center became reality; and Y-12's new buildings came to life as families from the New Hope community, the family of former Y-12 manager Jack Case, some of Y-12's first employees and dignitaries gathered to look back at its beginnings and catch a glimpse of its future.

A member of the original New Hope community, Naomi Brummett, shared the cutting of the ribbons with Rep. Zach Wamp and

other dignitaries to officially open the new buildings. The day allowed Y-12 to pause and proudly reflect on the history that paved the way to its bright future. Y-12's "can-do" attitude was mentioned time and again as the driving force that built the Y-12 National Security Complex and has kept it, through six decades, at the very core of our nation's security solutions.

Tom D'Agostino, Deputy Administrator of the National Nuclear Security Administration, saluted Y-12 for perseverance, character and new hope. "We have an extremely bright future here in Oak Ridge. I want to copy your model and take it to our other seven sites around the Complex," he said.

Keynote speaker Wamp said, "This is a fantastic day; this day celebrates innovation. Alternate financing was a risk, and we have to continue to think outside the box. We've got a lot to do. We've gotten this far. Let's finish the work."

Left: Three generations of Jack Case's family attended the ribbon-cutting ceremony of the building bearing their family member's name. From left to right are Blake (grandson), Jack (great-grandson) and Larry (son). Center: NNSA Deputy Administrator Tom D'Agostino presents Naomi Brummett, a resident of the original New Hope community, with an NNSA medallion. Right: Y-12 retiree Bill Wilcox peruses over the artifacts on display at the New Hope Center.



Eight frequently asked questions about the new buildings answered

Q: What should I do with supplies that will not be used?

A: There are significant costs associated with moving, so please don't move anything that will not be used in the new buildings. Supplies that will not be used in Jack Case or New Hope will be donated to schools. Contact Diane James (hc7; 241-9805) to arrange for pickups.

Q: How will mail be handled in the new buildings?

A: Jack Case will have a post office on the first floor (south). Mail will be sorted there, and organizations will make daily pickups. Because the New Hope Center is a public access building, that post office will have a lock-and-key system.

Q: Can personal cell phones be used in the Jack Case Center?

A: No.

Q: Can personal cell phones be used in the New Hope Center?

A: Yes, this is a public building. However, be mindful of others around you and the distraction cell phone rings and conversations can cause.

Q: Can employees eat in their offices?

A: Yes. Employees are encouraged to keep their work areas clean and, when walking to and from the cafeteria and break rooms, use covered cups and dishes to avoid spills.

Q: Will a covered cup be provided to reduce the number of spills?

A: Yes, you will receive a covered cup at the welcome and orientation session on the first day following your move.

Q: Should I take the nameplate from my current office?

A: No, new nameplates will be provided in Jack Case and New Hope. However, the new nameplates will not be available immediately upon arrival in the new buildings.

Q: Because New Hope is outside the blue line, will Y-12's emergency response team serve that building?

A: No, the New Hope Center is outside Y-12's emergency response area. It will be served by the City of Oak Ridge emergency response team.

Morale booster

The Jack Case and New Hope centers contain the best working space Y-12 has ever seen. The 1,500 employees who will be moving in—whether they're fairly new or have been here for decades—are looking forward to the change.

"I look forward to being in a building that is NOT twice as old as I am! It'll be a new, clean place," said Tony Grappin, facility chemical design engineer.

New hire Kate Wallen, a chemical system engineer, agreed. "I'm excited about the new furniture, the new cafeteria, and just the positive changes all that will bring. It'll be more fun to come to work."

Physical Security Manager Peter White, a 25-year employee, appreciates the modern technology. "From a security standpoint, it's good to see security designed in from the beginning. In our old facilities, every building is a retrofit—very little, if anything, is being used as it was designed."

Five-year employee David Wease, a startup testing engineer, looks forward to facilities that measure up to Y-12's advanced technologies. "With New Hope, visitors and interviewees will say, 'Yes, the face matches the reputation,'" he said.

Of course, the new buildings will do far more than just make a good first—and lasting—impression. For Wease's group, he said, "The move will help teamwork. We'll be able to bounce ideas off other people in our group. Right now, we're all spread out."

Best of all, the new buildings are an investment in Y-12's future: proof in stone and mortar that Y-12 has a serious mission as a defense facility and a center for technology development. White said, "Old guys like me love this place, and the future is brighter because of the investment in the new buildings."

And what will people miss about the old buildings they're leaving behind? White joked, "We'll miss the two-inch cockroaches."



From left to right, Tony Grappin, Kate Wallen, David Wease, Cheryl Coombs, Randi Peterson and Josh Tennant review layout plans.

Feeling stressed?

As a large portion of Y-12's work force moves, whether to Jack Case, New Hope or another building on site, coping with the stress of change will be a part of employee work life.

"This move will be a stressful time," said Dr. Russ Reynolds of Occupational Health Services.

"While most of us are excited about the change, any change can and will cause stress."

Reynolds recommends employees:

- maintain their routines,
- get seven to eight hours of sleep each night,
- increase physical activity (e.g., walking) and
- add personal items to make their new areas familiar.

Keep in mind this move is only one phase of Y-12's modernization. More moves will come into play as the Highly Enriched Uranium Materials Facility and other hoped-for buildings are completed.

"Surroundings can have a huge impact on morale," said Reynolds. "Despite the immediate stress associated with the move, we project most affected Y-12 employees will eventually feel positive about the modern surroundings these new facilities bring."

If you have questions about your stress level, contact Reynolds or Dr. Linda Shissler at 576-9956.



Maintain your regular schedule in times of change to limit stress levels.

Landscape changes create a

In a few weeks, employees will notice a big change on the east end of Y-12. The "junkyard" that houses 55 unusable vehicles dating back to the 1970s will be vacated.

In 2006, the National Nuclear Security Administration began an effort to clean up and clear out unneeded, unused materials from its sites. Then Y-12's Unneeded Materials and Chemicals group went to work. The UMC group recently awarded a sub-contract in support of disposing the vehicles. "We can't recycle the vehicles because of their location," Jan Jackson of Pollution Prevention said. "We expect most parts to be excessed as low-level waste. Any parts that are usable will be auctioned."

P2 is also working with Ray Smith of Public Affairs and Communications on relocating the locomotive near 9720-6. "The locomotive was built by General Electric as a switch engine in November 1953, but it has not been used in many years. Now,

The recognition continues: winners of photo contest

For the next few months, this feature will highlight the 30 honorable mention photograph winners of the Y-12 photo contest. Photos are shown in no particular order.



Shot in Chuckey, Tenn., "Plowing tobacco field" was taken by Bill Wilburn of Public Affairs and Communications.



John Holbrook of Public Affairs and Communications snapped "Stream" at the Upper Tremont area, the Great Smoky Mountains National Park.



"Precious" was taken at Grandfather Mountain in May 2000 by Gene Stevens of Fire Protection Operations.



Milton Triplett, father-in-law of Karen Triplett of Planning, Integration and Control, shot "Ozone Falls" in Ozone, Tenn.

Greetings and salutations

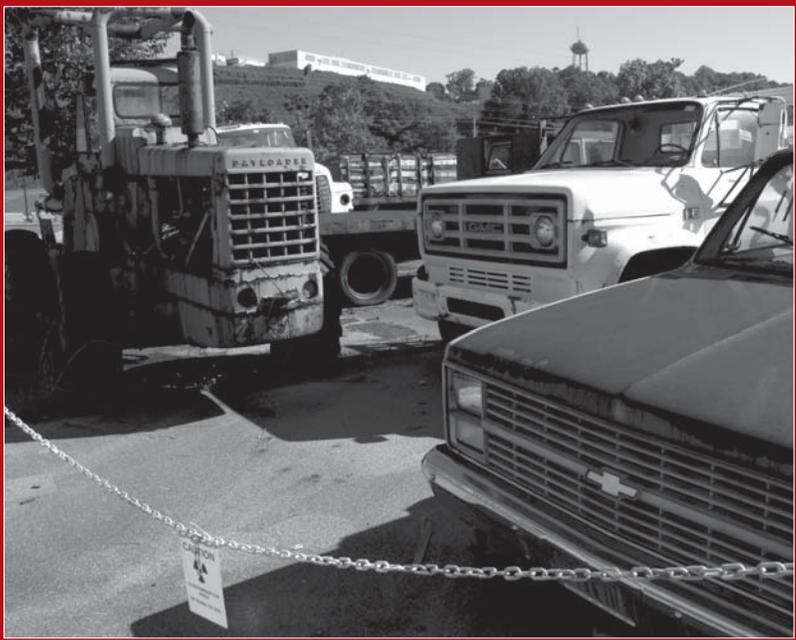
For employees moving into the Jack Case and New Hope centers, orientation sessions will be held at 7:30 a.m. on Mondays. Sessions will be in the auditorium at the New Hope Center and in the large conference room adjacent to the Cafeteria in the Jack Case Center. Each attendee will receive a hearty welcome, building floor plan, contact list, emergency plan and a covered drink cup. Watch YSource for more information on these sessions.

cleaner Y-12

it is excess for Y-12 and is being processed for transfer to the Southern Appalachian Railroad Museum [located near the East Tennessee Technology Park, formerly K-25] as an artifact of K-25 and Y-12 history," Smith said.

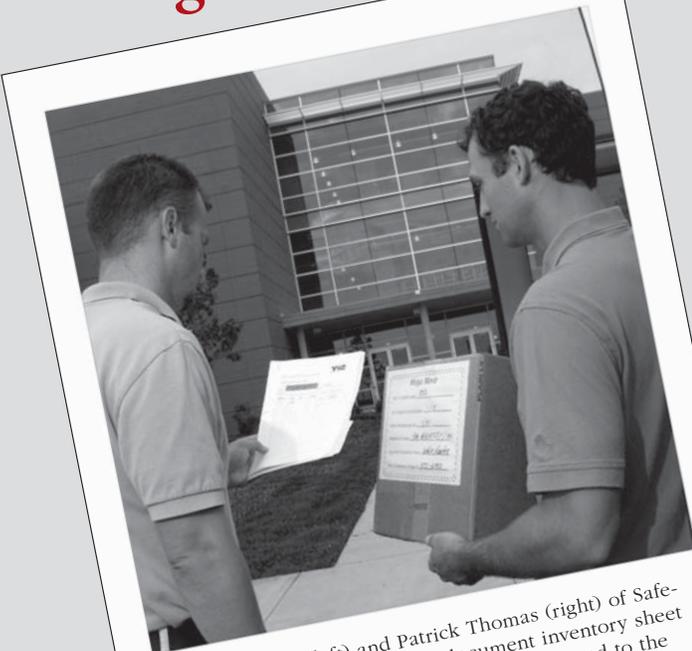
Other excessing projects include aerosol cans and chemicals as well as recycling scrap metal. With the help of Y-12 organizations, the UMC group has recycled or reused more than 75 percent of about 300 cans collected, which has kept cans from landfills and helped organizations save money.

With activities like these under way, Y-12 is well on its way to reducing unneeded materials and chemicals at the site and making Y-12 cleaner.



Part of Y-12's extreme makeover (see the Spring 2007 issue of *The Y-12 Report*) involves cleaning up the site. One area changing is the east end "junkyard," from which more than 50 vehicles will be removed.

Moving classified information? Plan accordingly



Bryan Bledsoe (left) and Patrick Thomas (right) of Safeguards and Security review a document inventory sheet for a box of classified information to be moved to the Jack Case Center.

If you're one of many employees moving to one of the new privately financed buildings, you know there is plenty of work to be done before the move. For some, this pre-work includes moving classified information from current locations to the Jack Case Center.

For those moving classified matter, please keep the following information in mind as you pack.

It is important to know the week your building is scheduled to move. All classified moves will take place on Thursday of each group's scheduled move week. Classified material must be constantly controlled by Q-cleared employees. So, if you are the box owner/custodian of classified information, you will be required to be present and escort the classified material from your area to the moving trucks.

Classified material owners will also be required to complete a document inventory of each box and list the results on a manifest sheet. The boxes will then be sealed and appropriately labeled. The inventory sheet, which can be found on the Mega Move website, will be validated before loading and unloading the boxes.

Once the material has been transported to the Jack Case Center, the box owner will then escort the information to its final location.

For more information, please refer to the Mega Move website or contact your division move coordinator.

Y-12 represented at international nuclear management conference

Y-12 has once again been tapped to share its expertise with peers across the Nuclear Weapons Complex.

At the invitation of the Institute of Nuclear Materials Management, Ron Gainey of Safeguards and Security and Haselwood Enterprises' Tom Reed presented a paper on Y-12's configuration management processes at the institute's 48th annual meeting. The meeting took place July 8–12 in Tucson, Ariz., and was host to an international audience of nuclear industry professionals.

"Late last winter we reviewed the status and approach for implementing configuration management and change control processes covering various types of security areas, security plans for those areas and security systems," Gainey said. "We looked at how all of these items are integrated in the work processes for everything we do at Y-12. The Y-12 Site Office thought it was great and suggested

we submit an abstract explaining our work to INMM. The abstract was selected to be presented at the meeting, so we had the opportunity to share Y-12's knowledge and approach across the NWC."

Y-12's configuration management program encompasses various types of security areas and plans. The plans describe how to securely operate those areas and security system components and features important to design and functionality of the areas. Security area and system owners use change control processes to manage proposed changes to established configuration. Any change that could have an impact must be documented, evaluated, approved, tested and validated per the applicable change control and configuration management processes.

Gainey and Reed are part of a multidisciplinary team composed of representatives from Y-12 operating organizations.

Life outside the fence



Ken Grissom of Physical Security inspects one of the limited areas within the Jack Case Center:

At Y-12, security is always at the forefront, so employees moving into the Jack Case or New Hope centers may have questions about access control as they prepare for life outside the fence.

With the exception of the fence and rotogates, most employees will notice few differences in access control, according to Ron Wantland of Engineering.

New Hope Center will be accessed just like most buildings in the corporate sector—through the front door. Those entering the

building will be greeted by a receptionist. Cell phones, whether government or personally owned, will be allowed in the building.

However, all office space in the building is within a property protection area, which means that access is controlled via a badge reader. This control ensures sensitive information, such as personnel records, is appropriately protected from unauthorized access.

In the Jack Case Center, the security environment is a little more complicated. Wantland compared the change to moving to college—“you show up with your stuff and learn how to live.” He cautioned it will take some time to learn the new rules, so employees need to realize there will be a period of adjustment to the new environment.

There are several limited areas and vault-type rooms within JCC, which will be controlled by badge readers with personal identification number pads. Employees will notice the LAs are larger, which will allow for more mobility. There will also be more places to have classified discussions, which should improve communications.

Wantland noted there will be more facilities to handle classified information, which means fewer documents will be stored in offices. There is a potential for more than 900 classified drops to handle thin or thick clients, so accessibility to classified computing resources should be more than adequate.

As chair of the Operations Security Working Group, Wantland has some advice regarding the move. While all of the movers will be U.S. citizens, it is still prudent to minimize the small talk. He advised sticking to safe topics, like the weather and sports, rather than providing any details about your work or your workplace.



S&S sees STARS
SuperSTARS—Jim Hackworth of Engineering and Amber Edwards of Manufacturing are the first recipients of Safeguards and Security's STAR award.

Ensuring security at Y-12 requires everyone's participation. Given that requirement, it seems only appropriate to acknowledge the significant contributions of those outside Safeguards and Security. So, the organization has created a program—S&S STAR Award—to recognize employees whose efforts enhance the security of the site. The award will be given quarterly.

The first STARS to be recognized are Jim Hackworth of Engineering and Amber Edwards of Manufacturing. In performing his work, Hackworth noticed something that wasn't quite right and worked with Edwards to prepare a temporary condition for work, which ensured appropriate safeguards in their work area. For their initiative and quick action, Hackworth and Edwards are S&S's STARS for the quarter.

IG gives green light to 2003 DBT

In a recent report on a follow-up audit of the National Nuclear Security Administration's implementation of the 2003 Design Basis Threat policy, the Office of Inspector General certified compliance with the 2003 DBT by the end of FY 2006 at NNSA sites that possess Category I special nuclear material. The IG visited Y-12 several times to look at Y-12's implementation of the DBT.

“This is a significant accomplishment for the NNSA,” said Ken Ivey, NNSA Y-12 Site Office's assistant manager for Safeguards and Security. “. . . The 2003 DBT was a 'heavy lift' at Y-12. We also implemented a lot of technology and other low tech fixes.”

The certification helps pave the way for getting approval for the phased approach to the 2005 DBT policy.

Mural captures the heart of Y-12

A famous photograph from the early days of Y-12 is a centerpiece of the Jack Case Center. Ed Westcott's image of workers leaving the plant has been enlarged to a 20- by 50-foot mural for the busiest part of the building—the cafeteria.

"This photo tells a story because of all the women included in the picture," said Y-12 historian Ray Smith of Public Affairs and Communications. "The women were working because the men had gone off to war. Many were 'calutron girls' and several were nurses."

Four of the women in the photo, Lillie Allred, Dorothy Coker, Marie Guy and Alice Piercey, attended the July 10 ribbon-cutting ceremony. These ladies and others were interviewed earlier this year for a Y-12 history video project.

When Agnes Houser (also shown in the photo) came to work in October 1943,

secrecy was so tight that she knew her job—cubicle operator—but nothing else about Y-12's mission. "We had to be dedicated because you could not leave your job until your person came to fill in for you," she said. More than once, that meant working 16 hours straight. "It made me feel like a soldier."

"The day that the bomb was dropped, they called us together and told us what we had done," she said. "I've heard individuals say, 'Oh, I knew what was going on.' They didn't."

And the photo itself, said Houser, is from "an important time in our nation's history and in the world's history."

Piercey said, "I am very proud of the fact that I took a little part in bringing that war to an end."

Westcott, the Manhattan Project's official photographer, took thousands of

photos to document the secret war effort in Oak Ridge. The negative of his now-famous photo grew to a 50-foot-wide mural through digital enhancement, and then it was copied onto vinyl wall covering and mounted much like wallpaper. Turner Universal Construction, Susman Tisdale Gayle architectural firm and Advent graphics company donated the mural.

During her visit, Piercey found that Y-12 had changed a great deal from the place where they worked during the war. Piercey said of the Jack Case Center, "I'm impressed with the large building. It's a great honor for my picture to be in there."

More than 60 years after the photo was taken, the mural reminds employees that the heart of Y-12 is still what it was in the beginning: people working together for a common goal.



Coming soon: dinner to go

The new cafeteria will offer breakfast, featuring freshly baked breads, in addition to lunch. And on Tuesdays and Thursdays, takeout dinner will become an option. "People are tired after working 10 hours," said Larry Garner, owner of Oliver's, which runs the cafeteria. "The last thing they want to do is stop by the store on the way home." Instead, employees can take home family dinners like turkey and dressing, including vegetables, bread, dessert and a gallon of tea.

New services will depend on customer demand, so send your suggestions now through Comments to the Chef on the cafeteria website.

What you do counts



Cynthia Woodward

As an architect and strategic facilities planner in National Security and Development Programs, Cynthia Woodward specializes in the planning, design and oversight of building construction. Her skills have been crucial in taking the Jack Case and New Hope centers from the drawing board to completion.

“I’ve been the single point of contact between Y-12 and the construction team. Often, I’ve felt like an interpreter,” Woodward said. “Seeing a project through from conception to completion has been extraordinarily satisfying.”

And there are the small, unexpected rewards, such as an e-mail message she recently received. “It said, in part, ‘there is a light at the end of the tunnel, and it’s not a train. It is the dawn of a new day for this plant.’ That says it all, and I can’t tell you how much I appreciated that note.”

Most people probably don’t realize the complexity of this project, or what had to happen before construction could even begin. There have been difficult hurdles to face. For example, site preparation required that utilities be re-routed. “And the project required a new sanitary sewer that snakes through our old existing footprint,” said Woodward. “Moving almost 1,500 people from 40 different buildings presents another planning and logistical challenge.”

Woodward’s background and training prepared her well to lead this project, a first of its kind for the National Nuclear Security Administration. She grew up in a family where architectural work was the norm. “My grandfather was an architect and my father was an engineer, so I’ve always had some interest.”

Woodward said that there are two main lessons associated with her first major project at Y-12. “First, all the people who worked on this project have learned that we can do things better, faster, smarter and with more innovation than we thought possible. The lesson I hope we all learn after we move in is that new, properly designed facilities can drive improvements in the way we work.”



11 more bite the dust

Moving 1,500 employees into the Jack Case and New Hope centers will empty 11 World War II-era buildings, taking them one step closer to demolition.

“This move is great for us,” said Melissa Portwood, Infrastructure Reduction manager. “This is the earliest in the process that we’ve ever received empty buildings.”

The move will include all of Engineering Row, the cafeteria, training and medical—but don’t look for a wrecking ball right away. Building by building, IR plans for the demolition, including characterizing hazards, designing utility isolations and creating a project execution plan. This work is done the year before demolition.

Then IR can begin carrying out the plan. It’s a process that includes making the building “cold and dark,” which means no utilities (no power, no water) and no accountable property or paperwork. A subcontractor actually demolishes the building, reducing it to rubble that is trucked away. Generally there’s nothing left of the building but a concrete slab, which IR surrounds with railings for safety.

The same procedure has been used for the million square feet of buildings that have been demolished since FY 2001 as part of the effort to reduce the footprint of Y-12.

Portwood says the cafeteria and medical will present unusual challenges because they have daylight basements that require special demolition and site restoration. “These are the first sites we’ve wondered how to restore,” she says.

They have time to get it figured out, though. Although most of these buildings will be demolished in 2008, the cafeteria is currently scheduled for destruction in 2009.



As Y-12 continues its modernization and infrastructure reduction, 11 more buildings will be demolished.

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Strive for Target Zero during the Mega Move

Help make the moves accident-free for all employees. Reduce exposure to hazards and think before you act. What you do counts; whether you move during the first week or during the balance of plant moves, keep Target Zero your goal.

OHS receives reaccreditation

Occupational Health Services was recently reaccredited for a three-year period by the Accreditation Association for Ambulatory Health Care, making Y-12 once again one of more than 3,000 accredited ambulatory health care organizations throughout the U.S.

“We are happy to be reaccredited. It is the culmination of the work of many OHS staff members,” said Stan Roberts, the physician assistant who coordinated the clinic’s efforts to meet the comprehensive AAAHC standards.

Most employees probably do not know they have access to an accredited medical center within walking distance of their offices. When reviewing any organization, the AAAHC looks at multiple specialties and does not focus on one area, which is a great benefit to Y-12 considering its specialized work environment.



The accreditation process involves an extensive on-site, peer-based survey of facilities and services. “Being reaccredited demonstrates the high quality of medical care and services provided by OHS,” said Dr. Otis Cosby, site occupational medical director.

That high-quality care is only going to expand when the clinic’s more than 30 employees move into their new location at the Jack Case Center. The new area offers OHS more than 10,000 additional square feet of space, allowing for more services. “The Industrial Hy-

giene respirator fit test facility and Safety optical services will be co-located with OHS in JCC, which will provide convenience to employees,” Cosby said.

“I hope our reaccreditation gives Y-12 employees the confidence that they are receiving medical care that matches, or in many cases exceeds, national standards,” Cosby added.