

Falls City Engineer

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U.S. ARMY CORPS OF ENGINEERS
LOUISVILLE DISTRICT



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create award-winning
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District Commander
Col. Christopher G. Beck
Public Affairs Chief
Todd Hornback

Send articles to Louisville District
Public Affairs office at:
sarah.r.mattingly@usace.army.mil

U.S. Army Corps of Engineers
CELRL-PA
P.O. Box 59
Louisville, KY 40201-0059

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On the cover: A rendering shows what the completed Barkley Elementary School at Fort Campbell will look like when completed.



**Please conserve:
Think before you print.**

Commander's Comments

Ladies and Gentlemen,

I would like to start out by saying how excited I am to be part of the Louisville District team. In my short time I have had the opportunity to meet many of you and I am constantly energized by your professionalism, competence and willingness to get the job done for our partners and stakeholders. This takes many forms whether it is Jacque Gee exceeding the standard for Small Business Award goals, Ryne Salyer achieving a very prestigious Safety and Occupational Health certification, innovative design at Fort Campbell, or countless other examples of our professionals leading the way in their respective areas. Your efforts are what make USACE critical to supporting our nation's engineering requirements.

As I have said to the senior leadership and most of the folks I have met to this point, please don't hesitate to reach out to me whether that is asking me to come to your project, sending me an email or stopping me in the hall as I am walking through the building. I am excited to learn from each of you and increase my understanding of the vast capabilities of our organization. I will do my best to continue to circulate around the district as much as I can to see firsthand your efforts that keep our organization moving forward.

Finally, I would like to take an opportunity to thank Col. Luke Leonard for the outstanding leadership he provided to the district during his time in command. I can say very honestly that he provided



Col. Christopher G. Beck
Commander and District Engineer
Louisville District
U.S. Army Corps of Engineers

me one of the most thorough, transparent and professional transitions that I have had throughout my career and I truly appreciate his efforts. He has certainly set the district on a path toward continued success.

I am truly honored to be here and look forward to working with each of you!

Building Strong!

Chris

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Col. Christopher Beck takes charge of Louisville District



Col. Christopher G. Beck accepts the colors, and thereby assumes leadership of the U.S. Army Corps of Engineers Louisville District at a change of command ceremony July 23, 2014, at the Muhammad Ali Center in Louisville, Ky.

Carol Labashosky, public affairs

Col. Christopher Beck assumed command of the U.S. Army Corps of Engineers (USACE) Louisville District during a ceremony at the Muhammad Ali Center, Louisville, July 23. USACE Great Lakes and Ohio River Division Commander Col. Steven Roemhildt, Cincinnati, passed the “colors” to Beck signifying the transfer of leadership of the district to

Beck. “He is just the right person to tackle the challenges that the region brings,” said Roemhildt.

As commander of USACE Louisville District, Beck is responsible for directing federal water resource development in the Ohio River basin, navigation, flood risk management, civil works, military construction nationwide—and some locations overseas—emergency operations, and environmental clean ups at formerly-used

Department of Defense sites. The Louisville District’s territories are Kentucky, Indiana, western Ohio, eastern Illinois and small portions of Tennessee. Beck will direct mission execution that is accomplished by more than 1,100 employees regionally, some who serve as park rangers at 20 lakes and lockmasters at 10 locks and dams in the district.

Beck, a native of Maryland, previously served as the deputy district engineer at the Army Corps of Engineers Huntington, West Virginia, District. He has many overseas deployments including Operation Joint Endeavor, Bosnia; Operation Joint Forge, Kosovo; Operation(s) Enduring Freedom, Afghanistan; and Operation Iraqi Freedom. Beck is a graduate of the United States Military Academy, West Point, New York, with a degree in civil engineering and three Master of Science degrees—one in engineering management, University of Missouri, Rolla; another in structural engineering, University of Illinois Champaign-Urbana; and a master’s of Strategic Studies from the Air War College. Beck’s awards and decorations include the Silver Star, the Bronze Star, the Defense Meritorious Service Medal and the Combat Action Badge.

He resides in Louisville with his wife, Sally.

Debra Hunter

Civil Works

Caesar Creek Lake hosts Take a Warrior Fishing

Shawnee Lee Culbertson,
Caesar Creek Lake Volunteer

Mission accomplished. That’s the summarizing statement of U.S. Army Corps of Engineers (USACE), Park Ranger, Russell Curtis at Caesar Creek Lake, Ohio. Curtis coordinated the park’s “Take a Warrior Fishing” event May 17 at the lake. The C.A.S.T. Foundation’s “Take a Warrior Fishing” is designed to honor veterans and give them an opportunity to get out on the lake and learn the fine art of fly-fishing, a sport well known for its ability to relax body and mind.

This is the second year Caesar Creek Lake has sponsored the event, which drew

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Veterans and volunteers prepare for a day of fishing at Caesar Creek Lake’s Take a Warrior Fishing event, May 17, in Waynesville, Ohio.

Russell Curtis

90 veterans and 42 family members who took advantage of free boat rides and fishing instruction.

Veterans from the Korean and Vietnam wars, Desert Storm, and the wars in Iraq and Afghanistan participated and were given fishing poles and tackle boxes. A hot lunch—courtesy of the Golden Lamb restaurant in Lebanon, Ohio, and J.T.M Food Group—and live music added to the event.

Project Healing Waters, an organization founded to help returning veterans make a smooth transition from combat to civilian life, was a key sponsor and participant.

Jim Owens, of Renton, Washington, founder and executive director of Take a Warrior Fishing, flew in for the Caesar Creek Lake event.

"I grew up in the Vietnam era, and I saw what happened to our vets," said Owens. "My son-in-law is an Army Ranger who has been in Afghanistan nine times. I wanted to do something for these veterans coming back to help them make the transition. I wanted to introduce these folks to fishing because I think it can be therapeutic."

Owens said that after another event, one of the soldiers told him, "'The only time I feel sane anymore is when I'm fishing.'"

"This is something families can do together; it opens up a whole new door for them," Owens said.

May 17 dawned overcast, rainy and cold, but spirits remained high among

volunteers and participants.

Robert H. "Bob" Brown of Columbus, Ohio, an Air Force veteran who served in Vietnam, said he heard about the event through Project Healing Waters. "I haven't caught a fish yet, but I still like it. I would recommend this to anyone, veteran or non-veteran. It's a great atmosphere."

"The event itself is special," said Joseph Dunlap, a Navy veteran of Columbus, Ohio.

Cincinnati and Dayton offices of Veterans Affairs, Veterans of Foreign Wars, Warren County Veterans Services, Red Cross, Northrop-Grumman, Lebanon Ford and Walmart also contributed to the event through sponsorships.

"It's a therapeutic experience," said Elizabeth "Beth" Snow, a registered nurse with Cincinnati Veterans Affairs, who was

at the event.

Both Steven Lee, USACE operations manager for the Miami River Area, and Chris Rapenchuk, USACE park manager at Caesar Creek Lake, worked Take a Warrior Fishing because of its popularity and importance to veterans and staff alike, many of whom are military veterans.

Perhaps the most telling comment of the day was e-mailed to Curtis by a veteran and participant. "I just want to thank you for giving up your time along with all the others who made our day so enjoyable. Even though it was cold and rainy, I had a good time. Thank you for making this old Soldier very happy."

And that's exactly why those at Caesar Creek Lake have decided to sponsor the event again next year, though a date has not yet been set.



Veterans and volunteers spend a morning fishing on Caesar Creek Lake.

Russell Curtis

Port of Cincinnati boundary re-designation released for review

Carol Labashosky, public affairs

The Louisville District is considering a proposal from the Port of Greater Cincinnati Development Authority and the Northern Kentucky Port Authority to re-designate the statistical boundaries of the existing Port of Cincinnati. The area is for 26 miles along the Ohio River to approximately 199 miles along the Ohio River and seven miles along the Licking River. The proposed re-designation would involve Ohio and Kentucky and 15 counties, five in Ohio and 10 in Kentucky. The draft memorandum proposal for the Port of Cincinnati Boundary re-designation was released to the public in July for review.

The proposed re-designation affects only the geographic boundaries from which waterborne commerce data is compiled and published by the Corps of Engineers. The Port of Cincinnati was established by the Corps for the purpose of

delineating an area for statistical data collection to describe the cargo movements on the Ohio River. The Port of Cincinnati re-designation proposal does not advocate or recommend the creation of any public port authority or commission to govern the overall operations or development of the expanded port area. Several existing public port authorities and economic development authorities operate independently and this action would not impact the governance of any existing or future port authority.

The Corps is the reviewing and approval agency for establishment, modification or deletion of officially designated port areas in the United States for which annual tonnage data are collected and published. In support of the re-designation, the Louisville District received legislative enactments from all 15 counties that would comprise the expanded port boundary. In

addition, 33 written endorsements for the proposal have been received from local governments, congressional interests, the two involved states and other interested parties.

The 30-day review period closed Aug. 8. The public comments and letters of support will help form the basis for the Louisville District commander's recommendation on how to proceed. The proposal is then forwarded to the Corps of Engineers Navigation and Civil Works Decision Support Center, Alexandria, Virginia, for final approval.

For more information: go to this link for the Waterborne Commerce Statistics Center Table with port tonnages. <http://www.navigationdatacenter.us/wcsc/port-tons12.html>

USACE investigates Clarksville shoreline erosion



Carol Labashosky

Erosion at Clarksville's historic shoreline will be investigated by the Corps of Engineers.

Contributors: Tracey Keel, locks and dams operations manager and Brandon Brummett, outreach coordinator; story assembled by Carol Labashosky, public affairs

Erosion at the Town of Clarksville, Indiana, shoreline near the town's boat ramp, historic George Rogers Clark Park and Mill Creek Bridge has spurred the city managers and leaders to seek the Corp's guidance to find a solution.

In July, the Louisville District Army Corps of Engineers representatives Brandon Brummett, outreach coordinator, and Tracey Keel, locks and dams operations manager, met with town officials and explained the Corps' study process, how erosion and bank loss occur and the operations of McAlpine Locks and Dam, Louisville, Kentucky.

The Louisville District is conducting an initial assessment to document what has been done in the past and what resources are being threatened by the erosion. Currently, authorization and limited funding exists for the initial assessment, however additional funding is needed to perform a more detailed study. The Clarksville area across from the lower tainter gates of the dam is prone to erosion—as are many locations along the Ohio River—where natural river bends exist. Erosion occurs when the soil particles on the river bank

are carried away by the forces of water. These forces increase as the water velocity and depth of flow increase. The forces are the highest in the outside bend of a channel. The location of the erosion is in the outside bend of the original channel.

Flooding and the rapid fall of the river is the main contributor to erosion which typically results in bank failure. Toe erosion from high velocity river flow is a secondary contributor. There has been a long history of bank failure and erosion along the riverfront, along Riverside Drive, and south along the Ohio River shoreline. Bank failures are basically small landslides. They occur when the driving forces of the bank slope are greater than the resisting soil strength and mass. Important factors are the height and angle of the slope, the sheer strength of the soil and groundwater levels.

Other possible contributing factors to riverbank saturation in general are very high groundwater levels due to saturation in flood events, poor drainage, erosion of the soil at the toe of the slope from the river and placement of fill and waste materials at the top of the slope. Significant flood events where high water and subsequent rise and falls occurred in recent years have contributed to an unstable slope and the sloughing off of the banks.

Erosion would occur naturally if the

dam were not located adjacent to the McAlpine locks. Some flow conditions from the dam exacerbate a preexisting condition of natural river bends where erosion occurs. This is a key area for completion of the Ohio River Greenway Project, as well as a site that is rich in history and archaeology.

The Army Corps of Engineers has documented studies and work that has been done in this eroding area over a 30-year period, but any attempts to address the erosion have been temporary measures. Brummett said a full study would ultimately be needed to examine the forces causing the erosion in more detail, as well as to determine what potential solutions may be available to halt the erosion.



Carol Labashosky

The Louisville District is conducting an initial assessment to document what has been done in the past and what resources are being threatened by the erosion in Clarksville, Ind.

Back to school

Corps constructing three new schools at Fort Campbell

Katie Newton, public affairs

Just as a new school year begins so does construction on the new Barkley Elementary School at Fort Campbell, Kentucky. In 2016, students will enter the new 142,000 square foot leading-edge facility that has already been recognized with four prestigious awards for its innovative design.

The new school is just one of three to be built by the U.S. Army Corps of Engineers (USACE) over the next three years at Fort Campbell. All three projects are in different phases with Barkley Elementary already under construction, another elementary—Marshall Elementary School—to begin site work in September, and the \$59.3 million contract for Fort Campbell High School to be awarded in mid-November.

The elementary schools will replace existing schools—built in 1954 for Barkley and 1961 for Marshall—that are outdated and in poor condition.

“Replacement of the schools is more cost effective than renovation,” said Andrew Dettmer, USACE Louisville District, project manager.

Fort Campbell High School is being built to replace the existing school, which was built in 1985, and was originally constructed for 500 students. Current enrollment is 750 students, which results in overcrowding of classrooms and multipurpose areas.



USACE rendering

A rendering shows what the completed Barkley Elementary School at Fort Campbell will look like when completed in 2015.

“The Department of Defense Education Activities (DoDEA) program has provided USACE and the Louisville District a great opportunity to be part of a team that will provide the Army children at Fort Campbell state-of-the-art, flexible, adaptable and sustainable learning environments for decades to come and facilitate the paradigm shift to 21st Century education,” said Dettmer.

Barkley Elementary School

Barkley Elementary School, currently under construction by SBH & CORE Joint Venture, Gallatin, Tennessee, is a \$45.2 million project to create a new state-of-the-art school with room for 741 students. Work is ongoing to install geothermal

wells and the Insulated Concrete Forms (ICF) for the exterior construction. Work is expected to be complete in December 2015.

“This school is one of five schools on post designed under the 21st Century Education Initiative set forth by DoDEA,” said Dettmer. The facility will provide a learning environment that accommodates multiple learning and teaching styles.

The school’s design will incorporate a neighborhood type layout in which nine different neighborhoods for Pre-K through fifth grade are each made up of a central learning hub surrounded by four learning studios, a group room, a one-to-one room and a staff planning room. Additionally, restrooms, storage, art and music classrooms are provided. The design also includes an occupational and physical therapy area and special education support spaces. There will be outdoor learning areas, including an outdoor amphitheatre and playgrounds even equipped with a tricycle track for the Pre-K and kindergarten classes.

From the rooftop learning garden to an information center, Barkley will be a resource for the students as well as the community for years to come. During non-school hours the information center, large commons area and gymnasium will be shared with all residents on post.

These innovative concepts and design features have already led to four awards for the project, most notably—two awards from the 2014 Chief of Engineers Design and Environmental Awards Program.



USACE rendering

An artist's rendering shows an aerial depiction of the future Marshall Elementary school campus at Fort Campbell.

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- 2014 Chief of Engineers Building the Future Award for excellence in sustainability
- 2014 Chief of Engineers Honor Award for design
- 2013 Works in Progress Citation Award from the American School and University Magazine
- 2013 New Construction/Addition Outstanding Project Award from Learning by Design Magazine.

These awards recognize the project and its team members for excellence in sustainability, design and using concepts and methods that will be used to influence all future DoDEA schools designs to come.

"We have set the mark for the 21st Century School concept," said Dewey Rissler, chief, military support section, USACE, Louisville District. "All of these awards are great accolades not only for the Louisville District, but for the entire DoDEA team as they've all worked very hard."

The new Barkley Elementary is being built beside the existing Wassom Middle School at Fort Campbell. After its completion the old school will be turned over to the Fort Campbell Installation and will be repurposed as a Network Enterprise Center.

Marshall Elementary School

Marshall Elementary is an approximately 112,000 square-foot facility with room for 647 students. The \$38.6 million project was awarded to Walsh Federal Joint Venture, Chicago, Illinois, in July. On-site work will begin in September with construction completion anticipated for April 2016. Construction will also include demolition of the old school, which sits on the same site.

The new two-story school will also use the neighborhood hubs layout to maximize flexibility of the learning environment with six different neighborhoods each containing a hub and six learning studios. There will be play areas for various groups, a roof garden, outdoor learning areas, an outdoor movie theater and an outdoor amphitheater.

Fort Campbell High School

The Fort Campbell High School is being constructed to make room for 800 students in the approximately 184,000 square-foot facility. The contract for this \$59.3 million project will be awarded to a construction contractor in mid-November with groundwork anticipated to begin by



USACE rendering

A rendering depicts the student entry of the planned Fort Campbell High School.

the end of 2014.

The current high school will remain and become a middle school. Between the two schools the Corps will construct a soccer field, running track, field house and lighted tennis courts creating a middle school/high school campus.

"This is the first high school in the United States designed under the new 21st Century Education Initiative set forth by DoDEA," said Dettmer. "The high school is really a big deal for the Fort Campbell community and the Louisville District is excited to be a part of it."

Following the new concept, the high school will also have eight neighborhoods with a central hub and five to six learning studios, one-to-one and group learning

spaces, career and technical education labs and science labs. There will be outdoor classrooms, a student garden and an outdoor amphitheater. Another special feature is that the high school will also have a JROTC rifle range on site.

The entire project is planned to be complete by April 2017.

"The success of the projects to date is a credit to the entire PDT, including Louisville District, Norfolk District and our customers at DoDEA and Fort Campbell DPW. We are looking forward to making the award on the Fort Campbell High School and completing all three construction projects in time to meet the scheduled school openings for each," said Dettmer.



USACE rendering

A rendering shows the plan for the campus of the future Fort Campbell High School.

Shoot house facility complete at Fort Campbell

The Corps of Engineers completed a shoot house facility for live fire training exercises at Fort Campbell, Kentucky in June. The almost \$3.8 million project was constructed over the last 12 months by construction contractor C3, LLC.

“Deploying Soldiers are required to complete training in a live fire environment, units are trained and evaluated on their ability to move tactically, enter and clear a room or building, engage targets, conduct breaches and practice target discrimination,” said Rodney Boyd, U.S. Army Corps of Engineers Louisville District project manager.

The targets on the range are fully automated and event-specific target scenarios are computer-driven and scored from the After Action Review (AAR) building. The range operating system is fully capable of providing immediate performance feedback to the participants in the AAR building.



All of the targetry consists of life-like precision targets with reconfigurable plug and play capability. The shoot house is designed to support live rounds so bal-

listic rubber walls virtually eliminate the hazards of ricochet, bullet splatter, shoot-through, and significantly reduces airborne lead particulates.

Reserve/Military

In-house design teams create award-winning military projects



The AMSA building (Area Maintenance Support Activity) at Saint Charles Army Reserve Center, Mo., is where Soldiers will perform maintenance on Army vehicles. Personnel from ARIM-D, Army Reserve Regional Support Command and Louisville District staff conduct a walk through.

Carol Labashosky, public affairs

The Corps of Engineers' in-house design teams at the Louisville District are responsible for design of a wide range of building types for military and civil works projects and have been

exceeding expectations and doing it more cost effectively, than their private sector design firm counterparts. The Corps' in-house design teams operate very similarly to those design firms, and an analysis has revealed that the Corps' in-house design

teams stay within budget and had notable reductions in contract modifications, or design changes from those of the architectural/engineering community. The in-house teams are showing that they are efficient and, on the average, their design costs are competitive.

The district's design-branch teams consist of six basic disciplines that include architecture, interior design, structural, mechanical, electrical and civil engineers.

The team designs a complete and usable building from the foundation to the roof and everything in between. The process involves the architects and interior designers defining the floor plan and form of the building to reflect functional, technical, social, environmental, and aesthetic considerations. Structural engineers ensure that the building is built to be strong enough and stable enough to resist all structural loads—gravity, wind, snow, rain, seismic activity. The mechanical engineer designs the heating, ventilation, and air conditioning (HVAC) systems and plumbing and fire protection. The electrical engineer designs the power, lighting and fire alarm requirements for the building. The civil engineer is responsible

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for the exterior features surrounding the building which include drainage, utilities, roads, parking and walkways that serve the building.

Many of these design elements are unseen and taken for granted, such as the mechanical and electrical elements, but these components require special expertise to be designed correctly and efficiently. Someone who will work in a Corps' designed project will turn on a light switch in a building, for example, but the design behind it, the conduit, electrical wiring and its housing are all considered by the designer. These components usually aren't on the radar screen of those who work there. Fire egress routes and how far away exit stairs are from offices are other important factors in the design. Each designer considers all these things, including force protection, life safety, building codes and much more.

Three notable projects—coupled with award-winning design strategies—exhibit the skills, precision and professionalism of the district in-house design team.

Pittsburgh, Penn. Air Force Reserve Lodging Facility

The challenge was to create and maximize the number of visiting quarters and business suites. The lodging master plan included an additional three buildings that are visiting quarters and a dining building. Positioning the business suite balconies facing outward resulted in 40 sleeping rooms for each phase creating an exterior court for guests. Each building operates independently reducing utility costs when not occupied. Large trees and a rain garden make the property appealing. The entire complex is tied together with side-walks, stairs, landscaping and low level site lighting making an impact on visitors. The design progressed logically from the existing facilities and complemented the rolling hills and topography.

It was the first project in the district to achieve LEED Gold Certification in 2012. It received the ABC of Western Pennsylvania Excellence in Construction Award. Energy efficient features include insulating concrete forms, 30 percent water use reduction by using low flow toilets, faucets and shower heads. The erosion and sediment control plan were more stringent than the NPDES program requires. Fuel efficient vehicle parking encouraged alternative transportation. Construction waste was managed to reduce material sent to

landfills by 75 percent. Motion sensors turn off lights in unoccupied spaces while light controls enable occupants to select optimum lighting when and where needed.

Fort Campbell, Kentucky Sustainment Brigade Administration Facility

Another in-house design showcased project is the Fort Campbell, Kentucky, Sustainment Brigade Administration Facility which was completed in the fall of 2013. The facility is a state-of-the-art office building that houses the Sustainment Brigade Defense and Accounting Services (DFAS). The district established the facility as a pilot sustainability project. This project received the U.S. Green Building Council's Leadership in Energy and Environmental Design LEED Gold Certification in March of 2014. Its green features include enhanced storm water management, geothermal HVAC, solar hot water, rainwater harvesting system and lighting design strategy. A photovoltaic panel system is in place where energy generated is returned to the grid rather than to facility's demand. Photovoltaic refers to the arrangement of components designed to supply usable electricity with the sun as the power source. In total, these features reduced the building's energy consumption by 50 percent.

"The project design team worked to ensure no sustainable feature was overlooked," said Architectural Section Chief Garry Minter, Louisville District. "The project team has successfully designed

a structure that will showcase to all who process through the 101st Airborne and Fort Campbell the superior capabilities of the Army facility of the future."

Because the project was a pilot design and construction, the design progression explored maximizing sustainable design features suitable for the Fort Campbell region. The building provides proof of an energy efficient, water-saving, environmentally friendly approach, and its successful design features are justified for use on similar regional projects, said Minter.

Saint Charles Army Reserve Center, Missouri

The Saint Charles Army Reserve Center is located at the 88th Regional Support Command's historic Weldon Spring Training Area, Saint Charles, Missouri. The project was completed this past June.

The design team created a campus environment incorporating two recently completed Army Reserve facilities. The project includes four new buildings, personal vehicle parking, a military vehicle hardstand and a deployable medical sets area. The team was able to include many unique and sustainable design features such as an insulated concrete form wall as an air barrier, bioretention areas incorporating native prairie grasses, pervious asphalt parking, a reflective PVC membrane roof system and an on-site septic mound system.

The district design-branch leadership anticipates that this project will be nominated next year for a design award due to its unique and sustainable design features.



The Pittsburgh, Penn., Air Force Reserve Lodging Facility was the first project in the district to achieve LEED Gold Certification in 2012.

Lockbourne landfill cover nearly complete

Katie Newton, public affairs

The U.S. Army Corps of Engineers (USACE), Louisville District, is nearing completion on the 23-acre landfill cap at the former Lockbourne Air Force Base, Columbus, Ohio.

The \$12.6 million project, which is the largest single environmental construction contract ever awarded by the Louisville District, will be complete by spring 2015.

"Wastes from six excavation areas have now been located to a central consolidation area, and cover application should be completed in October 2014," said Cindy Ries, environmental engineer, USACE, Louisville District. "Final reports and inspection will extend into spring 2015."

During the summer of 2014 contractors worked on excavating additional waste and consolidating it to a smaller area, backfilling dirt, soil cover application and installing a leachate collection system.

The work is being performed by Cape Environmental, Inc., Norcross, Georgia, who is also working with Burgess and Niple, and Environmental Management Specialists, Inc., both of Columbus, Ohio, to complete the on-site work and ground-water sampling.

The property, which is now owned by the Columbus Regional Airport Authority, was previously owned by the government and used for waste disposal from 1951 to 1979, making it eligible for the Formerly Used Defense Sites (FUDS) program, which cleans up contamination on proper-



USACE

Contractors work to consolidate waste and create a soil cover at the Lockbourne landfill in Columbus, Ohio.

ties that were formerly owned, leased, possessed or used by the Defense Department.

Investigations showed the landfill was used for general trash from Air Force base housing and administrative buildings, construction and demolition debris and lime sludge from the base water treatment plant.

"A remedy was necessary and capping the landfill was chosen as the best way to effectively remediate the site," said Ries. "Capping the landfill will address potential risks to human health and the environment

by preventing contact with contaminated soil and wastes. It will also eliminate runoff of chemicals to nearby surface water, and reduce leaching of chemicals from buried wastes to groundwater."

Capping the landfill involved first consolidating wastes into a smaller area so as to minimize the extent of the cap and cover maintenance. Next, a 24-inch compacted soil layer and six inches of topsoil create a barrier that prevents exposure to contaminants.

"In addition to the soil cover, passive gas vents, a perimeter seep prevention trench, and erosion and sediment controls, will be maintained as needed during the follow-on long-term management phase," said Ries.

After construction activities are complete the site will still have long-term management in place, which includes groundwater monitoring, inspections, and maintenance and an environmental covenant which will restrict future use of the landfill area to prevent exposure to onsite groundwater, intrusive activities and contact with waste.



USACE

The Louisville District is nearing completion on the 23-acre landfill cap, at the former Lockbourne Air Force Base in Columbus, Ohio.

Army recognizes Louisville District small business specialist



Debra Hunter

On May 22, 2014, Jacque Gee, small business specialist, Louisville District, was announced as the winner of the Army's Full-Time Small Business Specialist of the Year Award for Fiscal Year 2013. The announcement was made at the Army Small Business Awards Ceremony and Jackie Robinson-Burnette, former USACE Associate Director/Chief, Office of Small Business Programs, accepted the award on Gee's behalf.

The award was accompanied by a handwritten note and Commander's coin from Lt. Gen. Thomas Bostick, commander, U.S. Army Corps of Engineers. Bostick congratulated Gee on being named the Army's Full-time Small Business Specialist of the Year and stated that this is a tremendous achievement and reflects well on your competence, hard work and professionalism.

Col. Luke Leonard, former Louisville District commander, presented Gee with the award July 15, 2014.

Tip your hard hats

Salyer earns impressive safety certifications

Sarah Mattingly, public affairs

Ryne Salyer, Louisville District safety and occupational health specialist, construction division, recently achieved two prestigious safety certifications.

In July, Salyer passed the Certified Safety Professional (CSP) examination, joining an elite group of safety professionals. Salyer is one of only 18 CSPs in the U.S. Army Corps of Engineers.

"The CSP certification is the most sought after safety certification in the U.S. today," said Ellen Stewart, USACE Senior Safety Engineer.

According to the Board of Certified Safety Professionals, a CSP is "like the Professional Engineer designation for engineers or the Certified Public Accountant designation for accountants" in that the CSP certification marks individuals who have met educational and experience standards and passed rigorous examinations validated against the practice of hundreds of safety professionals.

"Anyone who goes into safety has this

certification as their goal," said Salyer.

"This is definitely an ambition that I had."

Salyer also became the first person in the Great Lakes and Ohio River Division to complete the Army's CP12 Safety and Occupational Health Professional Certificate Program.

The criteria for the certificate include successful completion and documentation of training in 34 fundamental competencies.

"Receiving this professional certificate demonstrates Salyer's hard work and dedication to safety and occupational health and recognizes him as a true expert in his field," said Brig. Gen. Timothy Edens, director of Army Safety and commanding general, U.S. Army Combat Readiness/Safety Center. "He has truly set himself apart and enriched his value as a critical advisor."



USACE

Ryne Salyer, Louisville District safety and occupational health specialist, is pictured during 2011 flood emergency response.