

# Falls City Engineer

September/October 2010

VOL. 2, Issue 5  
[www.lrl.usace.army.mil](http://www.lrl.usace.army.mil)

U.S. ARMY CORPS OF ENGINEERS  
LOUISVILLE DISTRICT



US Army Corps  
of Engineers  
Louisville District

**First shell  
set at  
Olmsted  
Dam**

*See Page 3*

**Hybrids  
now in  
Louisville  
District  
fleet**

*See Page 14*





# Commander's Comments

Team,

FY 10 was a GREAT year! You continue to deliver superior performance, set standards and make significant contributions to our profession and nation. A few examples...

Superior performance:

- 2010 U.S. Air Force Civilian Project Manager of the Year: Dewey Rissler.
- Lester Washington was awarded a certificate of appreciation for patriotic civilian service for rescuing three children, their mother, and his wife from a burning building.
- Set the first dam shell in the Ohio River to keep the project on schedule.

Make a significant contribution:

- Delivered 24 BRAC projects valued at more than \$495 million and delivered 15 MILCON projects worth more than \$97 million.
- 100 percent ARRA obligations — \$97 million to civil works projects and \$129 million to military projects
- Delivered the USTRANSCOM Headquarters at Scott Air Force Base and the Human Resource Cen-

ter of Excellence at Fort Knox on or ahead of schedule.

Set standards in our profession:

- Awarded more than \$641 million in contracts to small businesses setting a new district record — that's more than 50 percent of the district's total FY10 program, and we exceeded every USACE small business category goal.
- LRL's construction division exceeded \$1.5 billion for construction placement also setting a new district record.

As we move into FY11, I ask you to find ways to execute your programs better this year than last while you strengthen our people and improve our processes. Our goal is to deliver our projects and services to satisfied customers. Of note, we must keep the remaining 78 BRAC projects and Olmsted Locks and Dam construction on track.

Thank you for all you do to burnish the reputation of the Louisville District as we make that climb from good to great.

Thanks again,  
Col. Keith Landry



Army photo digitally enhanced

**Col. Keith Landry, Ph.D., P.E.**  
**Commander and District Engineer**  
**Louisville District**  
**U.S. Army Corps of Engineers**

## Falls City Engineer

Vol. 2, Issue 5

Louisville District Commander  
Col. Keith A. Landry

Public Affairs Chief  
Todd Hornback

Send articles to Louisville District  
Public Affairs office at:  
[katelyn.c.newton@usace.army.mil](mailto:katelyn.c.newton@usace.army.mil)

USACE, Louisville District  
P.O. Box 59  
Louisville, KY 40201-0059

**On the cover:** While the super gantry crane lifts a 3,700-ton sill shell for the Olmsted dam, (left to right) Project Manager Larry Bibelhauser, Resident Engineer Bill Gilmour and Deputy Construction Division Chief Rick Schipp discuss the next phase of the replacement project.

## Contents

First shell set at Olmsted Dam	3
Clean power will be reaped from Smithland hydropower facility	4
LRD achieves ISO certification	5
Recovery Act speeds flood protection	7
Employee sees results from Corps nutrition seminar	8
Dental clinic built at Fort Campbell	10
Corps celebrates Hispanic American Heritage Month	12
Driving toward sustainability: district has hybrids in fleet	14





# First shell set at Olmsted Dam

By Carol Labashosky, public affairs

Pam Helton, Olmsted, Ill., looks out onto the Ohio River from the Olmsted Locks and Dam visitor overlook onto America's largest inland waterways construction project. Her husband, Wayne, is a construction representative with the Louisville District.

"My husband said I should come out to see the first shells going into the river. It's really something to see," she says as she reminisces about three generations of her family who lived and worked at Locks and Dams 52 and 53 which the Olmsted project will replace.

## History in the making

The Army Corps of Engineers Louisville District reached a historical and critical milestone for America Sept. 22 when the first stilling basin shell for the Olmsted Dam was set into the Ohio River.

The hub of the inland waterways includes the confluences of the Mississippi, Ohio, Cumberland and Tennessee rivers. In this stretch the Olmsted navigation project has been under construction since 1993, and here, more commodities pass than anywhere in the country. Locks and Dams 52 and 53 have structures dating from the 1920s.

## In-the-wet method

The Corps is using an innovative method known as in-the-wet for the construction of the Olmsted Dam. Sections of the dam, the shells, are fabricated on shore and then carried into the river and set in place and put together – like giant LEGOs. There, they are filled with tremie concrete. In-the-wet was chosen over the traditional cofferdam because of the fluctuations on the lower Ohio River, a concern for the environment and advances in technology.

## Biggest equipment in the world

Assembly is no child's game. Massive steel equipment specially designed for the project is used to assemble, move, lift and place these shells, the largest of which weighs 4,700 tons. The super gantry crane is the largest in North America and the catamaran barge is the largest in the world.



Jon Flesman

Work continues at the Olmsted construction site to prepare the first shell for placement in the Ohio River. The shells are pieced together to form the Olmsted Dam.

The crane has a capacity to lift 5,304 tons. It moves the shells to the top of the marine skid way from their positions in the precast yard and then places them on the cradle. The cradle moves the shells down to the shoreline. From there, the shells go onto the catamaran barge. The crane remains at the top of the skid way on level ground. The crane is wheel-mounted and moves on rails.

"You could just about put a 10-story building under it," said Rick Schipp, Louisville District deputy construction engineer.

The catamaran barge moves the shells out into the river and then lowers them as much as 20 or 30 feet below the water, depending on river elevation.

Bill Gilmour, Louisville District Olmsted resident engineer, hopes the construction team will be able to set six shells this low water season. "We'd like to make as much progress as we can, conditions allowing," he said.

Six low-water seasons are required for the dam construction. The Olmsted Locks and Dam project is currently scheduled to be completed in 2016.

The project will cost more than \$2

billion and it will more than pay for itself within four years, according to Schipp.

"This project is so critical to the region," Schipp said. "On the average about 90 million tons of commodities a year traverse this stretch valued at \$20 billion."

Coal is the number one commodity that moves on the Ohio River navigation system.

The contractor for the project is a joint venture of Washington Group (URS) and Alberici Constructors.

For more information on the Olmsted project, go to:

<http://bit.ly/Olmstednavigation>

To view time lapse YouTube videos go to: <http://www.youtube.com/louisvilleusace>



Jon Flesman



# Clean power will be reaped from Smithland hydropower facility



Courtesy of AMP

John Humphries, Paducah Electric Plant Board General Manager/AMP Board of Trustees; Peggy Harding, Regional Engineer, FERC Chicago Regional Office; U.S. Rep. Ed Whitfield; Marc Gerken, AMP President/CEO; Kentucky Gov. Steve Beshear; state Rep. Mike Cherry; state Sen. Dorsey Ridley; and U.S. Army Corps of Engineers District Commander Col. Keith Landry break ground on the new hydropower facility at Smithland Locks and Dam Sept. 1.

By Carol Labashosky, public affairs

A groundbreaking ceremony for the Smithland Dam hydropower facility, took place Sept. 1 on the Kentucky side of the Smithland Locks and Dam near Brookport, Ill. The plant, built by American Municipal Power (AMP), will create 72,000 kilowatts with three generating units. The cofferdam is 25 percent complete.

"The construction of hydroelectric plants at Smithland Locks and Dam and three other sites along the Ohio River in Kentucky is an effort to diversify sources of power utilizing the renewable resource of the river," said Ken Lamkin, hydropower coordinator. The amount of power generated from the Smithland hydropower facility will power approximately 25,000-30,000 homes per year, a city the size of Paducah, Ky.

Hydropower facilities in the district



Courtesy of AMP

Construction is underway on the \$400 million project. The hydropower facility will produce 72 megawatts of power when it comes online in the spring of 2014.

currently exist at McAlpine and Markland dams which were constructed in 1924-1925 and 1964-1967 respectively. Smithland is the second new project in the district. Cannelton was the first hydropower project in nearly 45 years for the district. Cannelton creates 84,000 kilowatts with three generating units. Cannelton and Smithland are both currently under construction. Smithland is projected to be complete in the spring of 2014.

"Ultimately, the total navigation hydropower projects in the Louisville District will light up approximately 100,000 - 125,000 homes a year, the equivalent of a city the size of Evansville, Ind.," Louisville District Commander Col. Keith Landry said.

Every Lock and Dam project from New Cumberland, West Va., to Smithland—which is the last high-lift lock, upstream of Lock and Dam 52—has an existing hydropower facility, a project in development or under serious consideration for hydropower, said Lamkin.

By providing clean hydropower that communities can use instead of coal, Smithland will offset nearly 700 million pounds of CO<sub>2</sub> every year which is like taking 60,000 cars off the road. Together with Markland, McAlpine and Cannelton, the reduction in emissions will be equivalent to eliminating the pollution of a quarter million cars.



Courtesy of AMP

Louisville District Commander Col. Keith Landry speaks at the groundbreaking ceremony Sept. 1 at Smithland Locks and Dam.

The Smithland project team included Lamkin, regulatory section, and a multi-discipline team including USACE Engineering Research and Development and the Hydroelectric Design Center. This organization researches and assists to get these hydropower projects from paper, through the processes, to shovel ready.

## Existing Hydropower facilities

- McAlpine Locks and Dam
- Markland Locks and Dam
- Greenup Locks and Dam
- Wolf Creek
- Laurel Lake
- Lake Barkley

# LRD achieves ISO certification

By John Neville, public affairs

World-class engineers consistently deliver world-class quality.

Maintaining world-class quality in an organization the size of the U.S. Army Corps of Engineers' Great Lakes and Ohio River Division (LRD) isn't easy. However, acquiring certification from an internationally recognized quality management certification system is a major step in retaining world class status.

On September 30, LRD achieved International Organization for Standardization (ISO) 9001 quality management certification. Independent third party auditing company ABS Quality Evaluations granted certification after visiting and auditing LRD Headquarters, the Buffalo and Nashville districts, and Wolf Creek field offices. ABS concluded LRD met the stringent ISO standards in the establishment and operation of its quality management system (QMS), which includes the policies, plans and practices an organization uses to reduce and eventually eliminate non-conformance to specifications, standards, and customer expectations in the most cost effective and efficient manner.

LRD began the certification effort more than four years ago when it appointed a regional Project Development Team (PDT) to harness the best quality management practices. The team, which included members from each district within LRD, used Louisville District's existing QMS since it has been ISO certified since 1996.

The team combined what it determined to be the best practices into a manual that was circulated online. The division then began training employees on the manual. In-house audits were conducted to determine the QMS's effectiveness before the ABS auditors conducted final audits in the final quarter of fiscal year 2010.

The team was expecting the internal audits to uncover significant defects in the QMS, but that wasn't the case.

"They went a lot better than the team thought they would go," Pittsburgh District Deputy Engineer Lenna Hawkins said. "This entire effort, this entire team has been phenomenal. They strove for perfection, and that's not really required for ISO. They really came through with flying colors."

Immediately following these final cer-



Jack Sweeney

(Left to right) front row: Matthew Burkett, LRB; Wes Barber, LRL; Rachel Haunz, LRL; Diane MacPherson, LRB; Joanne Milo, LRL; second row: Elaine Lisk, LRP; Lenna Hawkins, LRP; Jen Baffi, LRD; Sharanna Romans, LRL; Elliott Porter, LRP; back row: Mike Debes, LRP; Dottie Krause, LRL and John Niemiec, LRE made up the ISO team that achieved certification for the Great Lakes and Ohio River Division.

tification audits, LRD's Regional Quality PDT held their quarterly meeting at the Louisville District where each team member was presented an LRD coin.

"This ISO certification signals LRD's dedication to providing quality goods and services to the world," said Project Manager Business Processes Dottie Krause.

"It is also notable that achieving this milestone as a region is a first for the U.S. Army Corps of Engineers. LRD's ISO certification fully supports our quality pledge and commitment to USACE Headquarters and our customers and stakeholders to say 'what we will do and then do as we promised' across the region while continually improving along the way."

## More on ISO

ISO was founded in 1946. Based in Geneva, Switzerland, it created the first international standards for manufacturing, trade and communications. ISO 9001 emerged in 1987 as an internationally-accepted model that assists an organization's efforts in implementing and operating an effective quality management system. A QMS is an organization's policies, plans and practices by which an organization aims to reduce and eventually eliminate non-conformance to specifications, standards, and customer expectations in the most cost effective and efficient manner. Today, ISO 9001 is helping thousands of companies worldwide manage their

processes to become more efficient and cost-effective.

ISO does not define the process of an organization's quality management system; the organization does. ISO auditors improve and solidify the QMS by explaining what is necessary to define, establish and maintain an effective QMS.

## Why pursue ISO 9001

Organizations seek ISO 9001 certification when they want to demonstrate their ability to consistently provide products that meet customer and regulatory requirements. LRD wants to show that it is committed to doing the right things, the right way, for the right reasons, and to continually strive for improvement.

Another benefit of gaining certification at the division level is the ability to effectively cross level the workload. For example, employees from different districts within LRD will often work together on various projects. However, together different districts used to follow their own, separate QMS. This can lead to confusion on the ground, inconsistent service, and, ultimately, wasted taxpayer money.

Following the same ISO-certified QMS also builds credibility with customers.

"We do what we say we will do," Krause said. "By using the procedures you're establishing a baseline for anything that happens after that. If you start off by  
(Continues on Page 6)



having a standard that says, 'This is the way we're going to do business,' then everybody knows that. It's communicated. It's well known."

The four-year process of achieving ISO certification had its challenges. The biggest challenge, according to Krause, was "getting past the district mentality." Each district faces unique challenges along the way to completing the common Corps-wide mission of providing vital public engineering services. But instead of focusing on the differences, Krause said, district leaders asked their employees to find common ground.

"We had to get away from how different we were and look for commonality," Krause said. "People do buy into it when they see results. Now that we are certified, there's a lot more credibility and enthusiasm."

## District exceeds \$600 million in small business

The Louisville District awarded a record number of small business dollars in fiscal year 2010. The district awarded more than \$641 million in small business contracts. That is more than 50 percent of the district's \$1.2 billion in contract dollars.

"I am proud of our district and all of the hard work it took as a team," said Deputy for Small Business Linda Hunt-Smith.

Additionally, the district came in fourth in total small business dollars for the entire Corps of Engineers, following the Mobile District, Fort Worth District and New Orleans District.

The Louisville District also exceeded every sub-category in small business which includes: small disadvantaged business, woman-owned small business,

service-disabled veteran-owned small business and HUBZone.



*Small business contractors work on the Ohio River Greenway project in New Albany, Ind., in January 2009. The contract was awarded to QBS Inc. through the Hubzone MATOC process.*

## Environmental program gets bigger and better

*By Jenn Domashevich, public affairs*

Fiscal year 2010 was record-breaking for the Louisville District's Environmental Program. The program grew to \$72.6 million, a 21 percent increase from fiscal year 2009. This expansion was made possible by the heightened focus on strengthening people and processes.

"I have seen several improvements," said Patricia Bertsch, Formerly Used Defense Site program manager, Great Lakes and Ohio River Division. "I've seen improvements in teamwork, benefits from increased training, and improved relationships between project managers, office of counsel and technical managers."

The Louisville District's military environmental mission is to perform cost-effective cleanup of DoD-related contamination and to protect human health, public safety and the environment.

There are three programs involved in environmental cleanup—the Formerly Used Defense Site (FUDS), Installation Restoration Program (IRP) and Base Realignment and Closure (BRAC) programs. Additional environmental work is performed under the Environmental Quality (EQ) and Interagency and International Services (IIS) programs. All of these programs saw successes in 2010.

"There was success across the board,"

said Chris Inlow, the Louisville District's program manager for the BRAC program and project manager for the IRP, EQ and IIS programs. "It was not just a few programs doing well and picking up the slack. Everybody executed their programs well."

One of the main components credited for the recent success of the environmental program is the significant improvements in its processes.

"We've gotten a lot more accountability in our P2 data," Inlow said. "We're doing a better job of saying, 'This is what we're going to execute,' and then doing it."

P2 is a suite of commercial off-the-shelf software applications configured to support project execution. It is built on a relational database management system that collects, stores and maintains all data. It was initially introduced as being number driven, and now it is more action driven.

"You have to plan better and execute the actions in order to be successful," said Inlow. "We've also got teams that have been in place for a while. We know everybody's strengths and weaknesses. It makes everybody efficient."

Project Delivery Teams (PDTs) were strengthened by combining all specialties within the district, including public affairs,

office of counsel, contracting and real estate.

"The development of PDTs has been really important," said David Dierken, FUDS program manager. "I really saw improvements in project managers taking charge and building more consensus on teams."

Training has also been a major focus of the program this past year. The success of ongoing in-house training with a PDT-focus resulted in the Louisville District receiving the national Potentially Responsible Party (PRP) On-the-Spot Award at this year's PRP conference in June.

"Training was the cornerstone of us doing well," said Dierken. "One of the highlights of the year has been the focus on training and gaining experience quickly. There was no shortage of self-study, informal, and formal training opportunities."

Louisville District Commander Col. Keith Landry praised the environmental team during a project review board meeting on their recent successes.

"The best thing we can do is improve our teams and processes," Landry said. "That will keep us moving forward."



# End in sight for Duck Creek Recovery Act speeds flood protection



Carpenters with Mainline Road and Bridge Construction Inc. out of Dayton, Ohio, build the frame for the concrete cap to the wall that is part of the Duck Creek local flood protection project the Louisville District is building in Cincinnati. Eighty-three percent of Phase 4C of the project is being funded with American Recovery and Reinvestment Act money.

By Jon Fleshman, planning, programs and project management division

While Recovery Act funds have meant jobs for thousands of Americans, they have also provided the means for the Army Corps of Engineers to move forward on work that protects American homes and businesses.

"American Recovery and Reinvestment Act funds are helping us complete the Duck Creek local flood protection project in Cincinnati, Ohio," said Mike Holley of the Corps of Engineers' Louisville District and the project's manager since 2002.

It's been a long road and a lot of effort. A Duck Creek reconnaissance study was started in April 1988 and a project feasibility study was completed in January 1994. Congressional authorization for actual construction was granted in October 1996.

As the study manager, Roger Setters knows the worth of the work the Corps of Engineers is performing.

"We're providing protection from flooding in a densely urbanized area involving large manufacturing and retail facilities in both the Village of Fairfax and the City of Cincinnati," said Setters, chief of the Corps of Engineers' flood risk management center of expertise for the Great Lakes and Ohio River Division. "The project protects 35 mostly high-value industrial, commercial and public facilities probably worth more than twice the project's \$56 million price tag."

Features like earthen levees, concrete floodwalls, pump stations, culverts and automated floodgates are now providing commercial, industrial and residential areas along Duck Creek a 100-year level of protection, Holley said. A \$4.4 million contract was awarded in November 2009 for the final phase of the project to Mainline Road and Bridge Construction, Inc., out of Dayton, Ohio. Holley said about 83 percent of this is Recovery Act money.

The project begins about two miles upstream of the confluence of Duck Creek

and the Little Miami River, near the corporate limits of Fairfax in Hamilton County, Ohio, within the Cincinnati metropolitan area. It ends 3.2 miles upstream of the starting point at Interstate Highway 71 crossing of Duck Creek in Cincinnati.

The last phase of the project is scheduled for completion in the spring of 2011.



Concrete finisher Rocky Wilson fills holes in the floodwall cap caused by air bubbles. Wilson said he was unemployed before getting hired to work on the final phase of the Duck Creek local flood protection project funded mostly with Recovery Act money.



# Corps employee sees results from nutrition seminar in May

By Amanda Deane, public affairs

Too many people have health problems that can be managed or prevented by changing what they eat. The “Just Tell Me What to Eat” seminar led by registered dietician Sandra Meyerowitz of Nutrition Works held for the Corps of Engineers addressed this issue in May. Meyerowitz returned Oct. 5-7 for another seminar entitled “Food Sensitivities—Is Your Food Making You Sick?”

One employee in attendance at the May seminar was Norma Condra, regulatory branch senior project manager. “I’ve lost 16 pounds since making an appointment with Sandra in July, and I feel so much better,” said Condra. In June, Condra was diagnosed with non-alcoholic fatty liver disease, which is a precursor to type 2 diabetes. About 30 percent of Americans don’t even know they have this disease because there are no apparent symptoms. However, a diet rich in high-sugar, high-fat, and over-processed foods contributes to the disease. There is no medication for non-alcoholic fatty liver disease except maintaining a low-fat diet and exercising.

Condra has lost an average of one to two pounds a week. Her family has joined in the venture. She and her husband, Brian, have been visiting Meyerowitz at Nutrition Works once a week during the 12-week program. Brian was skeptical about going to see Meyerowitz since he is pre-diabetic and currently on medication for high blood pressure and high cholesterol. “He said going to see her really has made a difference. Now we’re trying to incorporate more exercise and make it fun,” Condra said.

Their 11-year-old son is eating better now and loves trying more foods. “We’ve substituted many foods for higher-fat items, such as ground turkey for ground beef and whole wheat for other grains,” said Condra. She keeps fatty snacks out of the house but tries to have treats once in a while. She and her husband write down everything they eat, the dietician reviews it and gives them suggestions. These include healthy recipes, tips on grocery shopping, food samples and portion control.

The Condras have greatly benefitted from meeting with Meyerowitz. “She’s helped us to make better choices when we go out of town. It has a lot to do with planning meals ahead of time and packing healthy snacks to keep our metabolisms up. We also drink about eight glasses of water per day,” she explained. At restaurants, the Condras share meals or take leftovers home.

“Sandra has us look at and compare nutrition labels and ingredient lists at the grocery store. We keep a list of the healthy foods so it doesn’t take too long.”

With the holidays coming, one way Condra plans to deal with temptation is to keep fatty foods out of the house. Condra will also avoid restaurants that serve fatty foods or try to order healthier options.

Although eating healthier and buying fresh produce has been slightly more expensive, Condra feels it saves money (on medication, doctor visits, etc.) and is worth the change to her lifestyle. “It’s cheaper for me to do this now since my disease is pre-diabetic.”

Another person who has experienced life-improving changes after paying attention to food and regular exercise is Ellen Hornback, wife of Public Affairs Chief Todd Hornback. Since changing her habits, Ellen has lost 100 pounds.

“Ellen seems happier as she continues to lose weight. She has a more positive attitude about herself and others. She has shown a strong commitment to her fitness program and her dedication is amazing. I am very proud of her,” said Todd Hornback.

Ellen considered bariatric surgery but the doctor suggested she lose 90 pounds prior to the procedure.

“How ironic was this? If I could lose 90 pounds, then I would not need surgery because I could do this on my own,” she said.

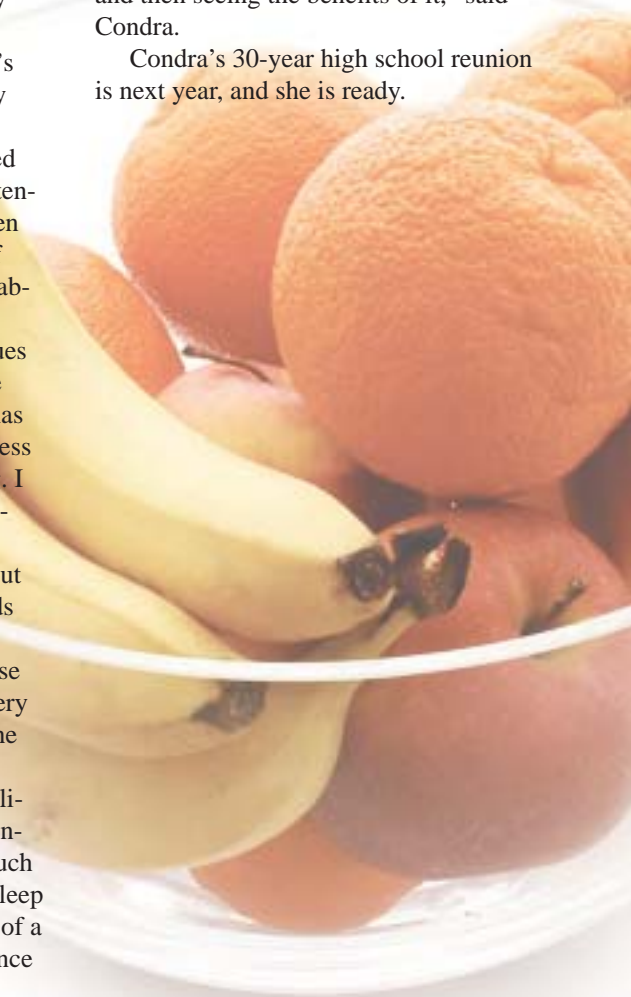
She had a multitude of health complications on top of being an insulin-dependent diabetic for more than 15 years, such as hypertension, high cholesterol and sleep apnea so severe it required nightly use of a C-Pap machine. Under the close guidance

and supervision of her doctor, Hornback joined a fitness club and hired a personal trainer. She knew it would be a challenge to change her eating habits, but it was necessary for a better life. Her fitness plan includes consistent training and exercise, journaling all food intake, setting small goals, accountability to a gym buddy, a rewards system not based on food and constant consultation with her physician. Hornback has seen marked improvements in her health and no longer requires insulin to maintain her diabetes.

Meanwhile, Condra is keeping up with her training and healthy-eating lifestyle, and Meyerowitz has given her the foundation of tools she needs when the 12-week program concludes.

“The best part has been feeling better, learning how to eat the right foods, and then seeing the benefits of it,” said Condra.

Condra’s 30-year high school reunion is next year, and she is ready.





# Brancato honored for putting safety first

By Jenn Domashevich, public affairs

The Achievement Medal for Civilian Service was awarded to Dr. Dave Brancato, Louisville District subject matter expert risk assessor, Sept. 20 for his dedication to safety.

"Congratulations are in order to Dr. Brancato," said Chris Karem, Louisville District environmental branch chief. "We are all lucky to have him watching out for us."

Brancato, who has worked for the U.S. Army Corps of Engineers since 1994, performed safety inspections and provided the Environmental Engineering Branch with monthly safety topics to help educate his peers.

"The key is to empower employees to be safety officers," Brancato said. "Accidents occur in the blink of an eye. You have to remain defensive, knowing where problems can occur on the job."

Among the safety improvements implemented by Brancato was to place fans in the branch to help circulate air during the evening to remove dead air pockets. Brancato also initiated the use of bicarbonate to clear up a strong odor caused by leaking water from the fire sprinkler system. Bicarbonate, an over-the-counter product used to clean carpets, cleared up the odor within two days.

"Remember, nothing remains routine," Brancato said. "Your fellow co-workers



Chris Karem

Dr. Dave Brancato was recognized with the Achievement Medal for Civilian Service Sept. 20 for his dedication to safety in the workplace. Brancato made numerous safety improvements in the Environmental Engineering Branch.

depend on your safety alertness. Be alert, know job-specific personal protective equipment, plan for emergencies, and al-

ways keep up with the industry standards related to job-specific activities."

## Recovery Act funds for new Ohio River Greenway

By Jon Fleshman, planning, programs, and project management division

American Recovery and Reinvestment Act money will help fund two construction contracts awarded by the U.S. Army Corps of Engineers, Louisville District July 30 for portions of the Ohio River Greenway Public Access Project in Clarksville and New Albany, Ind.

The first contract is for a segment near Ashland Park in Clarksville. The contract was awarded for \$1,049,500 to Howard W. Pence, Inc., of Elizabethtown, Ky. Recovery Act (ARRA) funds account for approximately 50 percent of the contract amount. The remaining funds were contributed by the local sponsor, the Town of Clarksville.

Construction started in September and is expected to be complete early next year.

The second contract is for construction of a segment in New Albany that extends from 18th Street to Silver Creek. The contract was awarded for \$1,550,000 to TJC Engineering, Inc., Louisville, Ky. ARRA funds account for approximately 60 percent of the contract amount. The remaining funds were contributed by the local sponsor, the City of New Albany. Construction is started in September and is expected to be complete in the spring of 2011.



Jon Fleshman

A stretch of the completed down ramp in New Albany, Ind. The greenway project will be approximately seven miles of multi purpose thoroughfares for visitors to enjoy.



# Dental clinic at Fort Campbell to serve Soldiers, families



William Moser

(Left to right) Rick Schipp, deputy chief of construction, George Jageman, chief of construction and Jeremiah Manning, project engineer, review construction plans and discuss details of the new Consolidated Troop Medical Dental Clinic under construction at Fort Campbell, Ky.

By William Moser, Fort Campbell resident office

Due to the recent Base Realignment and Closure Act (BRAC) and Army Modularity Force Re-Stationing impacts on Fort Campbell, Ky., the installation anticipates medical workloads to rise with the projected population increase of 6,400 Soldiers.

The first step in meeting the increased health care requirements at Fort Campbell is the construction of a Consolidated Troop Medical Dental Clinic (TMDC) within the Clarksville Base Brigade Combat Team Complex.

TMDC is programmed to provide physical exams, optometry, physical therapy, mental health services, and services including laboratory, pharmacy and radiology as well as a 21-chair dental clinic.

When complete it will provide 43,176 sq. feet of clinic space to the Soldiers and families of Fort Campbell. Additionally the TMDC will receive a 12,800-sq. foot addition scheduled to begin in October which will bring the overall TMDC to just under 56,000-sq. feet.

This is the first new medical facility on Fort Campbell since the 74,360-sq. feet La Pointe Medical Dental Clinic in 2000.

On May 26, 2009, the Corps awarded the design/build contract to The Korte Company (TKC) of Highland, Ill., for \$14.3 million with a contract completion date of April 2, 2011.

The TMDC was situated within an undeveloped area on the south end of Fort

Campbell. The contractor was forced to design the facility around natural depressions and possible sink hole features. The government issued a fast track release to TKC on Sept. 2, 2009, and TKC immediately commenced an aggressive schedule, first clearing the site of timber and then setting up field office facilities.

Unfortunately, October 2009 brought heavy rain throughout the month. TKC, unwilling to accept further weather delays to the project chose to "lime stabilize" the building pad and parking areas in order to stay on schedule and ahead of the upcoming winter weather.

TKC's efforts paid off as Fort Campbell experienced a severe 2009-2010 winter season. Between the months of November and February there were multiple weeks in which TKC was the only contractor on Fort Campbell building in

the winter weather. They even trudged on two times when the base was officially closed due to winter storms.

The Fort Campbell TMDC project team exhibited teamwork and construction partnering. This is a design/build contract. The stakeholders include: MEDCOM's Health Facilities Planning Agency (HFPA) as the customer, Blanchfield Army Community Hospital (BACH) as the end user, J&J Maintenance Company as the BACH maintenance contractor, Fort Campbell Directorate of Public Works (DPW) as the installation manager, Corps of Engineers Medical Center of Expertise (MX) as design quality control, Corps of Engineers Louisville District as the construction agent and contracting activity, Cromwell Architects as the RFP writers, and The Korte Company as the design/build contractor.

(Continues on Page 11)

## Louisville District Project Team

Andrew Dettmer – Project Manager  
David Yankee – A/E Manager  
William Bryan Moser – Senior Resident Engineer  
James "Miller" Moore – Resident Engineer  
Jeremiah Manning – Project Engineer  
Alva "Skip" Johnson – Senior Construction Representative  
Carlos Nichols – Electrical Construction Representative  
Ronald Hawkins – Mechanical Construction Representative  
Dawn Cook – Construction Administrative Assistant



All of the above listed entities were involved in the design reviews. There were more than 1,000 review comments. However, even with all the parties involved, the technical complexity of the facility and

the tight time constraints this project has faced, it has consistently stayed on track and is currently scheduled to be delivered by TKC three months ahead of schedule.

"This project makes a strong case for

what is possible with design build when you combine a competent design firm and an aggressive general contractor," according to Alva "Skip" Johnson, Corps of Engineers senior construction representative, on the TMDC and veteran of the La Pointe medical project.

On Sept. 2, the Fort Campbell Resident Office and The Korte Company recognized 365 days of no lost time accidents.

Work continues to progress quickly on the TMDC construction site 10 hours a day, five days a week. The Corps team continues to support the successful completion of the Consolidated Troop Medical Dental Clinic for the Soldiers of Fort Campbell and their families.



*The new \$14.3 million Consolidated Troop Medical Clinic at Fort Campbell, Ky., will provide a space for physical exams, optometry, physical therapy, mental health services and associated ancillary services including laboratory, pharmacy and radiology and a 21-chair dental clinic.*

## New fitness facility catches attention of employees

*By Katie Newton, public affairs*

The much-anticipated fitness facility opened Oct. 8 in the basement of the Romano Mazzoli Federal Building. Louisville District Commander Col. Keith Landry, Logistics Chief Jane Myers and Safety Office Chief Larry Keith cut the red ribbon and welcomed employees into the new space.

"You've got to provide people with the opportunity to take care of themselves," said Landry. "I'm glad that we've been able to provide a much nicer facility for you all here."

The 2,800 sq. foot facility features a 1,900 sq. foot gym floor with 16 exercise machines—four of which are brand new—three treadmills and one upright bike.

The room also features three 32-inch flat-screen televisions, three FM transmitters on select machines and hand-painted murals by artist Frank Allen.

Bryan Ammon, safety office, gave a brief overview of the space and its functions and then welcomed employees to explore the facility.

"I think it looks awesome," said Mary Chris Rodden, operations division. "It's so clean and so spacious."



*Chief of Logistics Jane Myers, Louisville District Commander Col. Keith Landry and Safety Office Chief Larry Keith cut the ribbon on the new fitness facility Oct. 8 in the basement of the Romano Mazzoli Federal building.*

Other perks to the new gym include a bigger dumbbell station with weights ranging from 2.5 pounds to 100 pounds, standard Olympic bars and new weight plates, sanitary wipes to clean the machines instead of the old paper towel

and spray bottle method and six working showers—three for men and three for women.

"It really looks great," said Gene Dowell, operations division. "It is very organized and very clean."



# Corps celebrates Hispanic American Heritage month



By John Neville, public affairs

The celebration of differences is also an appreciation for them.

The Louisville District celebrated its diversity when several employees gathered outside the Romano Mazzoli Federal Building Sept. 22 to celebrate Hispanic American Heritage month. Guest speaker and local attorney Ellie Kerstetter discussed this year's theme: Heritage, Diversity, Integrity and Honor: The Renewed Hope of America.

Heritage, she said, is that which is inherited from prior generations. Heritage can be tangible, artifacts and personal items, and it can be intangible, traditions and language and values.

"These are things that come from the past, you keep them in the present, and you try and bestow it on future generations," she said. "It's very important to each and every one of us."

Kerstetter then spoke about the appreciation for a diverse nation. That appreciation, she said, comes from the understanding "that each and every one of us is unique. It recognizes our individual differences—race, ethnicity, gender, social and economic status, age, religious beliefs, sexual orientation, physical abilities, political beliefs and ideologies."

She then talked about the third prong in the 2010 theme—integrity.

She described it as the concept of consistency of actions, values, methods, principals, measures and outcomes.

"They say it's the opposite of hypocrisy," she said. "It's the quality of having an inquisitive sense of honesty and truthfulness regarding the motivations of your actions...it's how you feel when you go to bed at night."

Lastly, Kerstetter talked about honor—respect for yourself and respect for others.

"So today, when we're celebrating Hispanic Heritage month, and celebrating our differences and looking how they mesh with each other I'd like you all to honor and respect each other from now on, and you'll see how your life is so much better."

*Corps employees attending the Hispanic American Heritage celebration ate foods popular in latin countries.*

Deputy District Commander Maj. David Winget talked about the contributions Hispanic Americans have made to the Army and the nation. He recalled the time spent in Afghanistan with Spc. Michael Tellez, a young Hispanic-American Soldier.

*"One of the reasons we have such a great nation right now is because we have such a diverse population of folks and we're able to draw on that diversity and take the best from all over the world, combine it, and utilize the best talents from everywhere," said Winget. "When I think of the contributions from the Hispanic community, one of the first things I think about is a Soldier I served with in my last unit—Spc. Michael Tellez who was assigned to Company C, 62nd Engineer Battalion. He was a carpenter in Afghanistan during the summer of 2008. Spc. Michael Tellez was one of those Soldiers who always volunteered for the tough assignments, and always seemed to have a smile on his face when I saw him. Drawing on some of the values Kerstetter discussed earlier, honor and dedication to family, Tellez represented these values well. In the military, when you're deployed, your family is the Soldiers who are to your left and your right, and he was very dedicated to his fellow Soldiers. During the summer of 2008, we sent him out with five other soldiers from our unit to build a combat outpost at a place called Wanat. Forty Five American Soldiers were building this outpost in the middle of insurgent territory when they were attacked bright and*

*early on a Sunday morning by more than 200 insurgents. It was a close range attack and the insurgents breached the perimeter. More than half of the Americans who participated in this battle were either killed or wounded. Spc. Tellez was one of those Soldiers who was wounded in action. He continued to fight and administered first aid to his fellow Soldiers to try to help save their lives. As a result of his actions he was awarded the Bronze Star Medal with the V Device for Valor, as well as the Purple Heart. But it doesn't stop there. Spc. Tellez's contributions to his fellow Soldiers continued. He was evacuated back to the United States where he recovered from his wounds for a few months. As far as we were concerned he had done his duty, but he wasn't satisfied with that. He decided that since we were still in combat, he was going to come back. So once the doctors cleared him from his wounds he got back on the plane, showed back up in Afghanistan and helped us continue our mission until we redeployed. I was truly honored to serve with Spc. Tellez. In fact, one of the last things I did before I left was to congratulate him on his selection for the Engineer Regiment Van Autreve Award for 2009 for his outstanding contributions and service to Army engineers and the United States Army. Clearly Spc. Tellez is but one of many examples of outstanding Americans with Hispanic background who have contributed significantly to our nation. I'm glad today we have an opportunity to get together and recognize these contributions."*



Mike Lush



# 24th Annual Lakeshore Cleanup at Green River Lake

On Sept. 18, the 24th Annual Lakeshore Cleanup event took place at Green River Lake. The 263 volunteers consisting of various school groups, college clubs, Boy Scouts, boat owners and community members pitched in and volunteered for a day of work and fun. Their efforts resulted in 242 bags of trash, 58 tires, bed springs, a couch and a freezer being removed from the shoreline at Green River Lake. Efforts provided a \$16,450.65 cost savings to the government, not to mention a more aesthetically pleasing shoreline. Each participant was provided a free meal and entered in a prize drawing made possible by local businesses and restaurants. The Corps of Engineers mascot, Bobber the Water Safety Dog, was also in attendance to help spread the message of water safety to all who attended the event.



## Brookville Lake summer reading program tackles water safety

By Amanda Deane, public affairs

Not only did kids in Indiana (ages one to 18) involved in their local library summer reading programs read about water, but they learned first-hand how to stay safe around water thanks to the Brookville Lake U.S. Army Corps of Engineers staff.

Stephanie Ison, a natural resources specialist ranger at Brookville Lake, helped out during program meetings at some of the libraries.

“A staff member and a volunteer were present at each of the meetings, and we would give a water safety demonstration at each one where we showed kids how to wear different types of life jackets,” said Ison.



Park Ranger Heather Sabin performs a life jacket demonstration at Lawrenceburg Public Library in Lawrenceburg, Ind.

Ison was given the task to represent the Corps through the Collaborative Library Summer Reading Program with Indiana libraries. With the help of volunteer Staff Sgt. Jerry McIntosh with the Community Based Warrior Transition Unit (CBWTU) assigned to Brookville Lake, packages were shipped to far away libraries and water safety programs were scheduled and presented for a total of 16 requesting libraries.

To go along with this year's water theme, group leaders also demonstrated a “reach, row, don't go” strategy for saving people from drowning. Locks and dams were also a topic, as well as caution on diving into unknown waters. There were coloring books provided with reading inside as well. Altogether, there were more than 5,000 water safety pieces distributed to participants.



Park Ranger Stephanie Ison and Staff Sgt. Jerry McIntosh pose with a group of participants at Brookville Public Library in Brookville, Ind.





## Run silent, run cheap Hybrids now in Louisville District fleet

*Jon Fleshman, planning, programs and project management division, shares his thoughts on driving a hybrid:*

If Mary Beck had not warned me, I would have probably twisted the key in the ignition until it snapped.

When she handed me the keys, the logistics specialist told me I would know the car had started not by the sound it made when I turned the key, but by the LCD instrument panels that lighted up on either side of the speedometer. Right she was. Just a very faint buzzing, like I needed to put the right index finger in my ear and wiggle it to deal with excessive wax buildup.

Of course, if you saw the kind of cars I've owned, you'd know my definition of late model is anything within a decade of today's date. So when I got to combine a TDY to a flood protection project with a test drive of one of Jane Myers' 2011 hybrid fed-mobiles, it was like Christmas had come early.

The fabric seats of this 2.5 liter, four-cylinder green machine are made

from recycled material. With its combination gas-electric engine it gets 41 mpg in the city and 36 on the highway. That means in city driving you can go up to 700 miles on a tank of gas. Most of the time at slow speeds you're not consuming fuel at all because the hybrid can travel on electric power up to 47 mph. The battery pack is nickel-metal hydride that uses regenerative braking to recharge.

Gauges on the multi-colored LCD panels give you constant readings on the environmental stewardship of your lead foot. One graphic feature that reminded me of Jack and the Beanstalk is the animated vine that grows more leaves as the car is driven more efficiently. It was as if I expected Myers to start coming down the vine if I lost too many leaves. Writing for AutoTrader.com, car reviewer Brian Moody says the instrument panel helps drivers

"keep tabs on the eco-friendliness of their motoring habits."

This environmentally friendly gas-electric hybrid is one of 11 now in the Louisville District's fleet of government sedans and more are on order. On his inspection of one of the first incoming hybrids, Col. Keith Landry, the Louisville District commander, said, "The Chief of Engineers asked us to deliver on what we say. Last year we put the district on a path to become more sustainable in our military and civil works programs. Today, we take the first step in making our headquarters more sustainable."



Katie Newton

**On the road to sustainability:** Louisville District Commander Col. Keith Landry checks out one of the new gas-electric hybrids that are joining the district's government vehicle fleet and helping the district reduce its carbon footprint.



# Safety Spot

## *Put that Blackberry down* Policy governing use of electronic devices while driving

The policy letter below aligns the Louisville District policy with an executive order signed by the president of the United States.

Anyone who operates a motor vehicle or vessel as part of their job is at risk of being involved in an accident. There is a greater risk when drivers are distracted by taking their eyes off the road, hands off the wheel or taking their minds off what they are doing.

Due to recent deadly crashes involving drivers distracted by text messaging, the president signed Executive Order 13513 which prohibits the use of electronic devices to send and receive messages or any other form of electronic data retrieval or data communication while driving.

When operating a govern-

ment-owned or rented vehicle or water vessel, Louisville District personnel shall not engage in e-mail, Internet, text messaging, non-hands-free global positioning system (GPS) navigation, non-hands-free phone calls, or the use of any other non-hands-free electronic device while the vehicle is in motion.

Operators may use cellular phones and GPS only with hands-free devices, and prior to using hand-held devices drivers shall find a safe place to bring the vehicle to a stop. GPS systems will be mounted so that they do not create sight hazards for the operator and they will be programmed

prior to operating the vehicle. Additionally, eating, smoking or using media devices requiring headphones (e.g. mp3 players) is prohibited while driving.

When operating a privately-owned vehicle either on or off duty, personnel assigned to the Louisville District shall comply with the policy specified in the above paragraph when using government-owned electronic devices.

***“There is always time to pull over and stop to make or return phone calls if you do not have hands-free devices or are alone and do not have someone else nearby to handle a call.”***

Source: Army Safety Gram





# New faces and fond farewells

## New July/August employees



Clifford Hoelzer II  
Project Engineer Architect  
Engineering Division



Kimberly Hunter  
Administrative Assistant  
Engineering Division



Sheryll Sison  
Mechanical Engineer  
Engineering Division



Don Walker  
Emergency Operations  
Manager  
Operations Division



Dustin Wilson  
Engineering Technician  
Engineering Division

## Not pictured:

Josh Angelly, operations division  
Robert Bayham, construction division  
Richard Bonillas, operations division  
Crystal Byrd, operations division  
Ramona Coffey, construction division  
Hope Evans, engineering division  
Annette Fowler, construction division  
Jessica Fox, engineering division  
Ronald Hall, operations division  
James McCoy, engineering division  
James Melton, operations division  
Angela Nelson, construction division  
Drew Russell, P3MD  
Geoffrey Stevens, operations division  
Marcia Terry, P3MD  
Stephen Willis, operations division



Louisville District Commander Col. Keith Landry greets new employees during new employee orientation Sept. 8.

## July/August retirements

Judy Bruns, resource management office  
Walter Rives, construction division  
Evelyn Watkins, resource management office



A brass castle paperweight was presented to every Louisville District employee during the End of Year ceremony Oct. 8 for their hard work during FY10. FY 10 was the highest workload in the district's history. Employees who have not received their token should contact their division chiefs.

## By the numbers

### Louisville District totals

- 1,391 employees
- 15 Department of the Army interns
- 21 volunteers deployed



# Halloween Treats

Recipes from [www.allrecipes.com](http://www.allrecipes.com)

## Dirt Pudding

### Ingredients

1/2 cup butter, softened  
1 (8 ounce) package cream cheese, softened  
1/2 cup confectioners' sugar  
2 (3.5 ounce) packages instant vanilla pudding mix  
3 1/2 cups milk  
1 (12 ounce) container whipped topping, thawed  
32 ounces chocolate sandwich cookies with cream filling

### Directions

Chop cookies very fine in food processor. The white cream will disappear. Mix butter, cream cheese and sugar in a bowl. In a different large bowl mix milk, pudding and whipped topping together. Combine pudding mixture and cream cheese mixture together. Layer in dish. Chill until ready to serve.

**Optional:** Top with gummy worms and eyeballs to add a spooky touch for your little monsters.

## Cranberry-Pumpkin Cookies

### Ingredients

1/2 cup butter, softened  
1 cup white sugar  
1 tsp. vanilla extract  
1 egg  
1 cup solid pack pumpkin puree  
2 1/4 cups all-purpose flour  
2 tsp. baking powder  
1 tsp. baking soda  
1/2 tsp. salt  
1 cup fresh cranberries  
1 tsp. ground cinnamon  
1 tbsp. orange zest  
1/2 cup chopped walnuts

### Directions

Preheat oven to 375 degrees F. Grease cookie sheets. In a large mixing bowl, cream butter and sugar until light and fluffy. Beat in vanilla, egg and pumpkin. Sift together the flour, baking powder, baking soda, salt and cinnamon; stir into mixture until well blended. Cut the cranberries in half and stir into mixture along with the orange zest and walnuts. Drop by teaspoonfuls onto cookie sheets. Bake for 10 to 12 minutes.

## Witches' Brew (Hot Apple Cider)

### Ingredients

6 cups apple cider  
1/4 cup real maple syrup  
2 cinnamon sticks  
6 whole cloves  
6 whole allspice berries  
1 orange peel, cut into strips  
1 lemon peel, cut into strips

### Directions

Pour the apple cider and maple syrup into a large stainless steel saucepan. Place the cinnamon sticks, cloves, allspice berries, orange peel and lemon peel in the center of a washed square of cheesecloth; fold up the sides of the cheesecloth to enclose the bundle, then tie it up with a length of kitchen string. Drop the spice bundle into the cider mixture.

Place the saucepan over moderate heat for 5 to 10 minutes, or until the cider is very hot, but not boiling.

Remove the cider from the heat. Discard the spice bundle. Ladle the cider into big cups or mugs, adding a fresh cinnamon stick to each serving if desired.

# Frequently Asked Questions

By Vanessa Whitworth, public affairs

The Louisville District Public Affairs Office receives many inquiries. Below is the answer to a question the district is often asked.

**Q:** What are the hours of the McAlpine Locks and Dam visitor area?

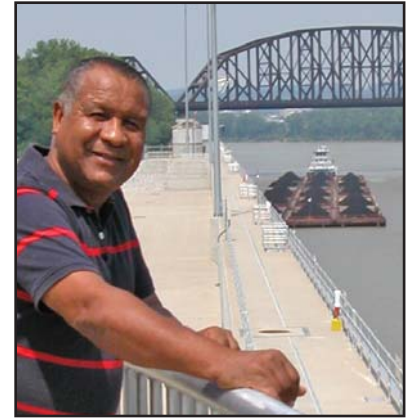
**A:** The McAlpine Locks and Dam visitor area is open to the public from 6 a.m. to 8 p.m. April through September and 6 a.m. to 6 p.m. October through March. There is no charge.

There are recorded audio messages about the locks and dams, navigation and

the history of the area at kiosks so that guests can enjoy their self-paced tour.

The McAlpine Lock and dam is located at 805 North 27th Street, Louisville, Ky.

For more information visit [www.lrl.usace.army.mil](http://www.lrl.usace.army.mil)



Tom Florentino, a visitor from Florida, watches from the visitor overlook as a coal barge moves through the 1,200 ft. McAlpine Lock chamber in Louisville, Ky.

## Job Vacancies

### Civil Engineer Geotechnical

- \$68,809 - \$89,450 per year
- Open period: Oct. 12 to Dec. 31
- Grade: GS-12

Engineer will serve as a specialist in soil mechanics engaged in the design of buildings, earth and rockfill embankments and other soil or soil/rock-supported structures. Develops investigation program necessary for the design and construction of building foundations, earth and related structures. Incumbent selects the location, type, and extent of exploratory soil sampling and testing necessary for a large

variety of structures and types of foundations. Creates and directs design studies and computations of features concerning soil mechanics use in design memoranda. Designs test embankment, field pumping tests and pile driving, and loading tests and analyzes the results. Develops contract plans and specifications for projects such as building foundations, pavements, earth dams, navigation locks supported on soil foundations, and pile and pier-supported structures. Periodically inspects construction projects.



## Snapshot from the past



The former Ravenna Army Ammunition Plant (RVAAP) in Ravenna, Ohio, produced ammunition for the U.S. military during World War II, the Korean War and the Vietnam conflict. RVAAP is one of the Louisville District's Installation Restoration Program projects. The program is designed to clean up locations in use by federal government agencies.

Falls City Engineer is an unofficial publication under AR 360-1, published bimonthly for Louisville District employees and members of the public by the U.S. Army Corps of Engineers, P.O. Box 59, Louisville, Ky. 40201-0059 under supervision of the public affairs office. Views and opinions expressed are not necessarily those of the Department of the Army or the Corps of Engineers.



**US Army Corps  
of Engineers**  
Louisville District®