



US Army Corps
of Engineers®
Tulsa District

TULSA

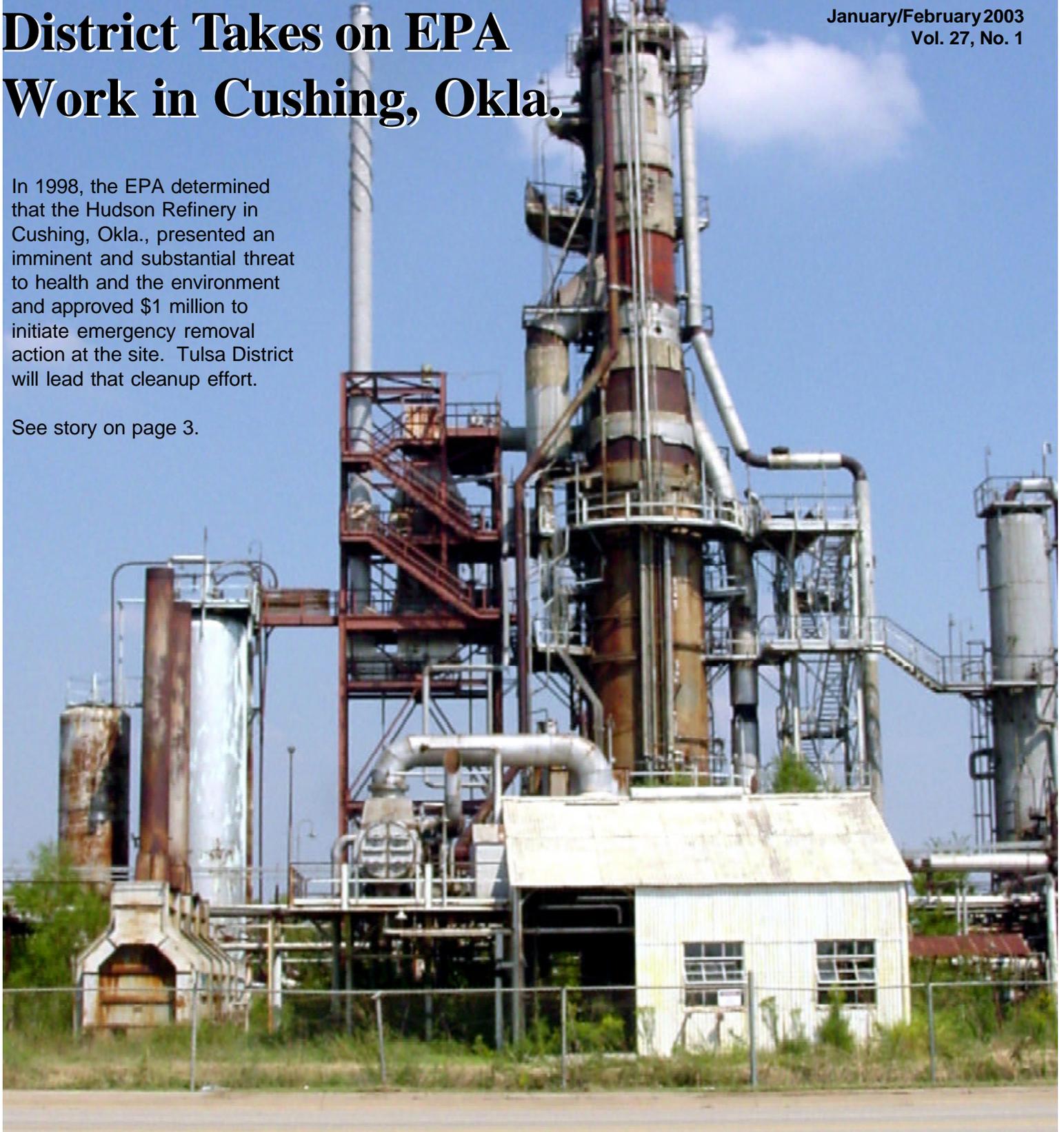
DISTRICT RECORD

January/February 2003
Vol. 27, No. 1

District Takes on EPA Work in Cushing, Okla.

In 1998, the EPA determined that the Hudson Refinery in Cushing, Okla., presented an imminent and substantial threat to health and the environment and approved \$1 million to initiate emergency removal action at the site. Tulsa District will lead that cleanup effort.

See story on page 3.





COL Robert L. Suthard, Jr.
District Commander

Commander's Comment



In this issue, I need to focus just a moment on our district's employees serving in support of Operation Enduring Freedom and the War on Terrorism. From among us, there are some 40 employees who have volunteered to deploy in support of our nation's armed forces. Some have already returned from service. Others are deployed and — as you read this — others prepare to serve. As our friends and coworkers leave, workload increases on those who remain. I have seen you take up that burden readily while at the same time supporting the families of those deployed. Once again, Tulsa District has taken the lead for the Corps of Engineers. You epitomize everything that is good about being a public servant. Thank you for your valuable service during these hours of great need by our nation! ESSAYONS!

Welcome Back!

What did you miss the most while overseas?

Maj. Daniel B Snead

First and foremost I missed my family. They are always the ones I think about the most when I deploy. You really learn to appreciate family and friends when you are separated from them for a while.

Secondly - complete silence. While deployed, noise was everywhere you went, on and off the base camp. Even when sleeping you could always hear the sound of the rumbling 60kW generator outside our tent flap, it was nice to eventually lie down in a bed and hear nothing at all.



David Jones

I missed a nice shower with warm water and a drain that works! Showers were only available in a shower trailer down the street. The showers were worn out with water pressure low to non-existent.

Capt. Robert Corrales

What I missed the most while deployed was the peace and quiet of reading the Sunday Morning paper in the privacy of my master bathroom. I do not miss having to hold my breath in the portajohns.



Tulsa District Record

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The *Tulsa District Record* is an unofficial publication authorized by AR 360-1. Contents are not necessarily official views of, or endorsed by, the U.S. Government, Department of Defense, Department of the Army, or Tulsa District, U.S. Army Corps of Engineers. It is published monthly using offset lithography. Contributions of articles, graphics and photographs are encouraged. All manuscripts are subject to editing. Printed circulation: 1,700.

District Commander
COL Robert L. Suthard, Jr.

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Alicia Embrey

Superfund site abatement begins as an era ends



Hudson Refinery, a 200-acre site located in Cushing, Okla., was shut down during bankruptcy proceedings in the 1980s. Over time, the refinery equipment deteriorated and some pipes began to leak.

Photo by Alicia Embrey, Public Affairs Office

District administers EPA contract on Removal Action

by Alicia Embrey, Public Affairs Office

Editor's Note: When Mary Hudson's husband was killed in a truck accident in 1933, she borrowed \$200 from her father to open the first of more than 300 gas stations and convenience stores in what would become the Hudson Oil Company. That company would ultimately make her one of America's richest entrepreneurs. However, her business soured in the early 1980s when the U.S. petroleum industry crashed. Hudson was forced to close her Cushing, Okla., refinery. "We were losing \$500,000 a month," Hudson recalled in a 1993 Tulsa Tribune interview. Mary Hudson died in September 1999 at the age of 86.

Runoff from the site enters onsite wetlands and storm water collection ponds. Surrounding the site are residential and agricultural lands.

The Cushing Hudson Refinery, located on 200 acres in the rural community of approximately 8,000, produced propane, gasoline, diesel fuel, fuel oils, and coke from 1922 to 1984. The site includes aboveground storage tanks, wastewater treatment impoundments, separators, stained soils, a land treatment unit, and loose and friable asbestos containing material. The runoff enters onsite wetlands and storm water collection ponds.

Because Hudson Oil Company managers expected the facility to restart once the company resolved its financial problems, the chemicals were not removed from the plant's equipment when the plant closed in the '80s. Over time, the refinery infrastructure deteriorated and some vessels began to leak.

In 1998, the EPA determined that the refinery presented an imminent and substantial threat to health and the environment and approved \$1 million to initiate emergency removal action at the site. The refinery was added to the Superfund National Priorities List in 1999.

Tulsa District engineers Eddie Mattioda and Frank Roth are working with the U.S. Environmental Protection Agency, the Oklahoma Department of Environmental Quality, and state and local groups to perform a cleanup remedy that will support the community's plans to reuse the site.

According Engineering and Construction Division engineer, Frank Roth, a Tulsa District Total Environmental Restoration Contractor was mobilized to the site to begin setting up for decommissioning the former refinery under the EPA Removal Action in August 2002. "All pipelines need to be tapped to ensure that all product is removed prior to beginning pipe dismantling," Roth said. "The contractor will have special shears and cranes brought on site to remove all of the steel. The steel and other metals will be recycled by Payne County and all proceeds will go toward back taxes that have not been paid over almost two decades."

Subcontract solicitations were completed in early December 2002 for contracting with an asbestos contractor. "Asbestos abatement should begin in early January 2003, and the TERC will dismantle process vessels and structures following the asbestos removal. Some oil processing components are too tall for dismantling in place, and implosions will be required to topple these structures," Roth said. The refinery should be demolished by June 2003.

Tulsa District is acting as an agent for the EPA in administration of contracts to execute the Removal Action (RA). "Following the RA, the State of Oklahoma will take over to perform a soil and groundwater contamination study. Based on the states findings, the EPA will select an organization to perform the soil and groundwater remediation," Roth explained.



Engineer Frank Roth points at exposed asbestos bricks used as insulators to prevent heat loss from the tank.

Communications tip for employees

by Ross Adkins, Public Affairs Office

There is an old adage, "If you don't want to see it in print, don't say it." That advice has a modern twist and a new lesson is appropriate in today's communications explosion. The harsh reality is that electronic information is not as secure as we think it is.

The rule of thumb necessary in this age of electronic communications is, "If you don't want to see what you wrote in an email message reprinted in a news story, don't send it."

It is too easy and convenient to put thoughts down on a personal computer screen and forward it to a friend or two. But the problem is, no matter how private or secure we think our messages are, the chance remains that a copy of those remarks will make its way into the "wrong hands."

The best advice to all computer users — especially those who use it as a personal diary — don't. You might find your thoughts on the pages of your neighborhood newspaper.



Can we talk?

by Mary Beth Hudson, Public Affairs Office

The words “Tulsa District Speakers Bureau” have been seen quite a bit recently. They’ve been in staff notes, e-mails, and even on bathroom walls. Some people have asked, “Why?”. To answer that question, I posed some of my own to several fellow employees. Here’s a Q&A section with a twist:

What is the strangest question you have been asked in connection with your job?

- “Why don’t you put more water in the lake?”
- “When are you planning to break up the ice so I can launch my boat?”
- “What’s a floodwall?” (asked by a district engineer)
- “Isn’t the Corps part of the Department of Interior?” (asked by a member of congress)
- “Why don’t you dredge the lake?”
- “Will you send me a copy of my last year’s taxes?”
- “Are you going to hold all the water back and keep us from fishing?”
- “Could you wait until the 31st to flood us? My flood insurance starts then.”
- “Is there an engineer there?”

What have people said to you that would indicate a lack of understanding about the Corps?

- “I didn’t know those were your lakes.”
- “I thought all the Corps of Engineers did was run around and put toilet paper in the rest rooms.”
- “I thought you just built dams!”
- “Why can’t you sell me my hunting and fishing license?”
- “Why won’t you give those poor people in Bartlesville some water?”
- “I pay income tax. I shouldn’t have to pay to camp.”
- “I live in south Tulsa, and my sewer’s backing up. Do you guys have the sewer lines open?”

What are some misconceptions that you are aware of?

- That our independent contactors become government employees.
- That you have to join the Army to work for the Corps.
- That recreation is the only reason the lakes exist and the only factor taken into consideration when water release decisions are made.

- That the reason Pine Creek Lakes isn’t any higher is because there’s a big crack in the dam.
- That Corps park rangers are armed and can make arrests.

Still wondering why a Speakers Bureau could be a valuable asset to the district?

Yolane Hartsfield, deputy for small business, likens the public’s knowledge of the Corps to coming upon a gray elephant in the fog. “They don’t even know we’re out there, and when they do meet up with us, they think we’re simply the part they’ve run into. They’ve come upon a knee or a foot or a tail, but they don’t realize that’s just a small part of the whole.”

A frequent public speaker, Hartsfield says, “The general public has no idea of the scope of our work. The groups I talk to – and I talk to a lot – are flabbergasted when they hear what all we do!” she said. “They say we’re the best kept secret in the world.”

And that’s the reason for the Speakers Bureau, says Ross Adkins, chief of Public Affairs. “We need to enlighten people. When I speak to a group, there’s a moment when you can see them start to grasp the breadth of our mission. It’s like a light comes on, and they’re amazed! ‘You do that?!’ they say. It happens every time.”

***“All the great speakers
were bad speakers at first.”***

Ralph Waldo Emerson

- ? If you would like to become a member of the Tulsa District Speakers Bureau and help tell the Corps’ story, call Public Affairs and sign up.
- ? If you need training in public speaking, it will be provided.
- ? If you already speak to the public as part of your job, you are already a member of the bureau; call Public Affairs Office and find out what resources are available to support you.
- ? If you are a retiree who would like to share the good news about the district or know of a group needing a speaker, call Public Affairs Office at 669-7366. We’ll put you to work or go to work for you.

Online Speakers Report — Employees ...

A simple web-based form is available for district speakers to use to report their speaking engagements. If you speak to public groups of any kind about any subject connected with the Corps – from water safety to perchlorate clean up – use this site to report it.

The form is available on the Intranet Teampage. (Look for Web Applications section – “Speakers Bureau Online Reporting System” link.)

Keeping up Keystone

Volunteers help Corps of Engineers with jobs at lake

by David Schulte, World Staff Writer

Note: The following story ran in the January 8th issue of the Tulsa World.

Each summer people from all around the country take their vacations at Keystone Lake to explore and absorb the natural beauty of its wooded shoreline, sandy beaches, high bluffs, green grasslands and rolling hills.

It is estimated that about 650,000 people visited the parks at Keystone Lake in 2002, according to records provided by the U.S. Army Corps of Engineers.

This opportunity to enjoy Keystone Lake and its activities would not be possible without the work of the many volunteers who help the corps maintain the 330 miles of shoreline that surround



LeRoy Hartley, a volunteer field coordinator, uses a chain saw to cut back brush along White Water Park at Lake Keystone. David Stevens, a community service worker, looks on.

Photo by David Schulte, World Staff Writer

the lake and its five counties that include Creek, Pawnee, Osage, Payne, and Tulsa.

Ranger Mike Schrick said since 1980, the number of the corps' personnel available to maintain and operate Keystone Lake has been cut from 20 people to four as a result of budget cuts. Keystone was not the only lake or park that has been hit by the downsizing of government during the last 20 years as some parks had to be closed or leased to townships to remain open.

As a result of having fewer personnel, the corps at Keystone has become increasingly dependent upon the help of its volunteers and community service workers. In 2002, volunteers and community service workers put in more than 28,000 hours at Keystone, Schrick said.

For the most part, there is no job too large or too small for volunteers who must clean and prepare the campsites as visitors come and go at the lake. Their jobs are endless, varying from mowing campgrounds and weed-eating; repairing gates and fences; cleaning picnic tables, grills and fire rings; painting guardrails, gates, fences and sign posts; and picking up cigarette butts.

They also help in keeping up the natural beauty of the park by planting flowers, shrubs, trees and raking piles of leaves to open the campgrounds for the public.

Schrick explained that preserving the beauty of Keystone has become a much more difficult task as some people illegally use it as dumping ground for their trash—and no, it's not just beer and pop cans.

"We are not talking about Christmas wrapping paper by itself, we are talking about methamphetamine lab dumps, tires, industrial dye," Schrick said.



Jack Walkup, volunteer field coordinator, stands before a site at Keystone Lake where people have illegally dumped their trash. Last year, volunteers and community service workers put in more than 28,000 hours cleaning up the campgrounds at the lake.

Photo by David Schulte, World Staff Writer

See "Keystone" page 7 ...

Keystone, from page 6

Volunteers also help with security as they provide surveillance and report any possible trouble at the lake to rangers.

Some volunteers may serve as park hosts who are responsible for taking care of the campers in the parks, Schrick said. They open gates in the morning, collect camp fees and keep track of camp reservations.

Jack Walkup is one of several volunteer field coordinators at Keystone. As a coordinator, Walkup is responsible for keeping a watchful eye of the lake's shoreline and making sure that Keystone is properly maintained.

"It takes me three or four days to go around the lake and hit all the spots and find out where all the troubled spots are at," Walkup said.

Like most of the volunteers at Keystone, Walkup, a former welder, is retired. Because many of the volunteers at Keystone are older than 65, they work flexible hours, usually during the early mornings and evenings in the summer months to avoid the heat of the day. Volunteers are asked to work about 24 hours a week.

For an avid fisherman like Walkup, volunteering at Keystone has given him a place to fish and a home as most of the volunteers live in their campers at a Keystone site that is provided by the corps.

"I am an outdoorsman, I've got to be outdoors. This provides a way for me to be out on the lake and to do something that occupies my mind other than fishing," Walkup said.

For Elmo Burke, volunteering at Keystone has given him a chance to use his previous work experience by helping to keep Keystone a pleasant place for the public to visit.

"It gives me a sense of accomplishment," Burke said.

Despite the efforts of people like Walkup and Burke, the corps could use more volunteers before the summer season begins in April at Keystone. Opportunities for organizations to fulfill community service at Keystone are also available.

Schrick emphasized more young volunteers are needed at Keystone for work that requires more demanding physical labor.

Those interested in becoming a Keystone volunteer should call 865-2621.

Pine Creek Lake Youth Hunt

by Cliff City, Pine Creek Lake, Park Ranger

A two and a half day youth deer hunt was conducted on the Wildlife Management Area at Pine Creek Lake November 8-10. Six young hunters, along with their dads, participated in the hunt.

Three of the hunters harvested buck deer — the largest weighing 151 pounds. That buck had a massive set of antlers with four points on the left side and five points on the right side.

Park Rangers Cliff City and Corey Claborn represented the Corps of Engineers during the event.



Ryan Huggins and the 151-pound buck he harvested.

Eagle Eye awards announced



Eagle Eye Construction Award

The winner of the District's Eagle Eye Safety Award is **McMasters Construction Company**. The firm won the award for outstanding work on the 226-person dormitory project at Tinker Air Force Base. Their personnel worked without a single lost-time injury and had consistently high "Eagle Eye" construction scores. The company's consistent efforts made for a safe project.

This is the seventh year that the trophy has been awarded.

McMasters won in competition against 34 other contractors evaluated under the Eagle Eye program during the year.

Eagle Eye Safety Award

The **Central Oklahoma Area Office** won the District's Eagle Eye Construction Office of the Year award. Area engineer Dan Johnson will accept the award for the Central Oklahoma Area Office and Phil Haubert will be honored as the Eagle Eye Construction Representative of the Year.

Others Worthy of Mention

Two other contractors deserve recognition for being selected for the final competition.

- Williams Construction Co. for work at the Skiatook Lake Spillway Modification, and
- Souter Construction Co. for work at the Eufaula Tainter Gate Rehabilitation.

Thanks to the Tulsa Resident Office staff for their work on these contracts.

Waurika Lake honors volunteers

by Dee Ann Himebaugh, Waurika Lake Office,
Recreation Resource Assistant

Waurika Lake volunteers, employees and their spouses enjoyed an evening of fun and fellowship while celebrating the contributions of lake volunteers December 13.

Following a delicious potluck meal, the volunteers played “Waurika Lake Jeopardy” with Park Ranger Tim Adkins serving as game show host. Volunteer coordinator Dee Ann Himebaugh gave a presentation with photos of volunteers in action and listing the volunteer’s accomplishments for the year.

Eighteen Waurika Lake volunteers contributed 4,420 hours of service this year making the value of their contributions approximately \$40,000.



Waurika Lake volunteers, employees and their spouses celebrated the contributions of volunteers at a potluck dinner.

Photo by Dee Ann Himebaugh

Some of the tasks accomplished included:

- Mowing trails
- Clearing roots, briars and debris from trails
- Planting shrubs at trailhead
- Painting all stiles, posts, and gates on Waurika Lake boundary fence line
- Replacing utility boards
- Picking up shoreline debris
- Trimming hedges and trees
- Planting and maintaining flowerbeds
- Planting and watering trees
- Painting grills
- Winter cleaning
- Camp host at Wichita Ridge and Kiowa I Park

*All Waurika Lake
volunteers are a
great asset to our
team and we deeply
appreciate their
efforts.*

Honorees

Hours Contributed

Lucille Lawson	51
George and Ona Welch	64
Bobby Tuggle	107
Beverly Roberts	142
Les and Barbara Wright	251.5
Regina Cryer and Connie Thompson	264.5
Mary, Krystal, and Cody Atwood	262
Charles and Betty Kieth	593.5
Floyd and June McCaig	549
John and Ella Jones	2136

Award bestowed on commissioner



Frank Keith, Commissioner of the Tulsa/West Tulsa Levee District, was presented a certificate of appreciation for his participation in the Tulsa/West Tulsa Flood Protection Project, November 15.

Keith was also honored with a certificate that bestowed upon him the worthy title of “Honorary Tulsa District Flood Buster.” Richard Bilinski, Jack Ball, and Burgin Towe from the district office attended the ceremony. According to Ball, “Keith has always been a strong proponent of maintaining the levee to the highest standard.”

Frank Keith (left) receives a certificate of appreciation from Jack Ball, levee program manager, for his participation in the Tulsa/West Tulsa Flood Protection Project.

Eufaula and Keystone switchyard work completed

by Larry R. Harp, Electrical/Mechanical Maintenance Support Section Chief

A job that began over a year ago was finally completed in December 2002 with the installation of the last power circuit breaker in the Keystone switchyard. This project has been an excellent example of how two agencies can work together for the benefit of our customers.

The Tulsa District and the Southwestern Power Administration worked together through a memorandum of agreement for the purchase and installation of 10 power circuit breakers (three for Keystone and seven for Eufaula powerplants). "Job well done!" said Mike Deihl, SWPA Administrator in an e-mail to Corps and SWPA staff. "These are the type of cooperative efforts that make the Federal Power Program a huge success. Please pass on my personal thanks to all the Corps and SWPA staff that accomplished this. A few years ago, there were people on both sides of the Corps/SWPA fence that did not support doing this type of joint effort . . . now it is common practice here in this part of the country. Not only have Corps and SWPA staff crossed the traditional organizational boundaries, we do this hand in hand with our customers! Generation providers, transmission and marketing functions, and a supportive customer group like Southwestern Power Resources Association (SPRA) are a winning team! My hat is off to you all!"

The project began in November 2001, with an initial meeting between the Corps and SWPA, after receiving approximately \$2 million in supplemental hydropower funding. A memorandum of agreement between the two agencies was signed on December 21, 2001.

The existing switchyard breakers were oil-filled circuit breakers that were high maintenance. Jeff Miller was the technical manager on the project. As agreed in the MOA and under the provisions of the Economy Act, an existing multi-year contract that SWPA had with Asea Brown Boveri was used for the SF6 breakers. The MOA outlined the support needed from SWPA staff for installation, removal, and disposal of the breakers. By using SWPA's existing contract, the time and expense necessary to obtain the breakers was greatly reduced and resulted in delivery to Keystone and Eufaula in May 2002.

Installation of the first breaker at the Eufaula switchyard began in mid-July. The coordination, design and pre-planning by Jeff



Miller for the installation of the new breakers, installation of new control cables and disposal of the old breakers were essential in the success of the project. SWPA staff and equipment removed the old breakers, set and anchored the new SF6 breakers, and reconnected the high voltage bus. The power plant staffs at both Eufaula and Keystone prepared the old circuit breakers for removal and installed and reconnected new control cables to the breakers (31,000 feet of control cable at Eufaula and 27,000 feet at Keystone).

At Eufaula, a separate contract was used for the disposal of the old circuit breakers. At Keystone, the crane crew from the district's Major Maintenance Section removed the old breakers from the switchyard. The Electrical/Mechanical Maintenance Section test crew completed the final step of the project by testing and commissioning the equipment prior to placing it in service.

The project was completed in December 2002 with the final breaker installed at Keystone. The total cost of the Keystone and Eufaula project, was approximately \$1 million which was within the amount budgeted for the project. All in all, the success of this project was a result of the cooperative effort by both agencies and the expertise of all involved in the project.

"A few years ago, there were people on both sides of the Corps/SWPA fence that did not support doing this type of joint effort . . . now it is common practice here in this part of the country."

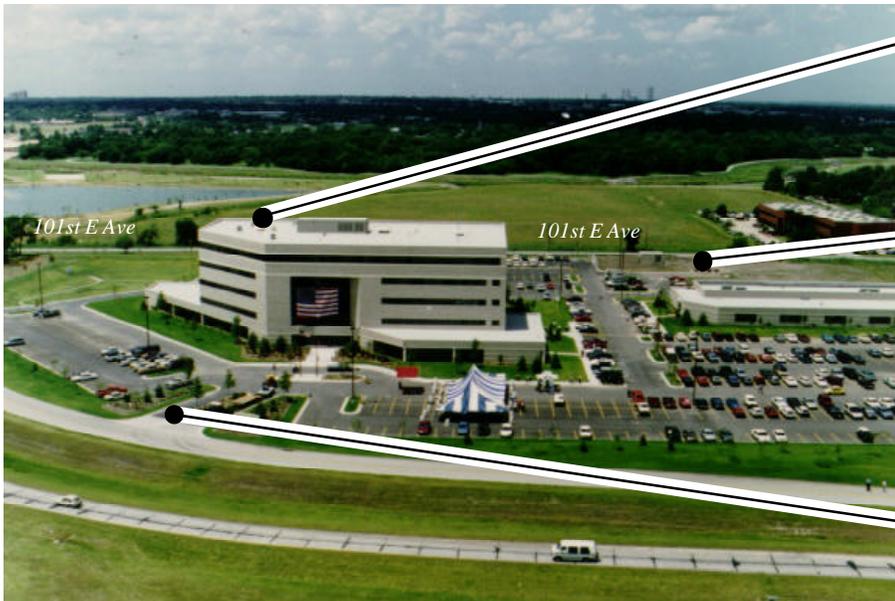
Mike Deihl, SWPA Administrator



Power plant staff at Keystone pulled and reconnected 27,000 feet of control cable to the new breakers.

Photo by Larry R. Harp

District Headquarters to see Security Improvements



- Entrance 2 -
SOUTHWEST CORNER
Guard Booth - Employee and truck entrance.
The only entrance from 5:00 p.m. to 6:00 a.m.
- Entrance 3 -
NORTHWEST CORNER
Limited access
- Entrance 4 -
NORTHEAST CORNER
Closed
- Entrance 1 -
MAIN ENTRANCE
Guard Booth - Visitor entrance

Photo of the Dominion property on the morning of the dedication ceremony. All five floors and the Annex building were occupied by Corps employees dedicated to customer care and Communities of Excellence.

*by Johnny Bell,
Programs and Project Management Division*

In 1995, following the bombing of the Murrah Federal Building in Oklahoma City, President Clinton ordered an evaluation of security at all federal facilities. Measures for improving security at the Tulsa headquarters building were identified. Following the September 11th tragedy, money was provided. Tulsa District's "Base Development Team" reviewed all the documentation assembled since 1995 and determined the best approach to upgrade facilities with minimal impact to the occupants. This was not an easy task.

The team prepared a scope of work and cost estimate within 30 days. The funds were obligated through General Services Administration and Dominion Leasing by the end of 2002. With the start of the current fiscal year, Dominion Leasing and its architect Salsman & Robertson Architects, subcontractors, and district managers refined the scope to meet the requirements and stay within budget.

Following are security measures that will be implemented within the next few months.

Perimeter Fence. To control vehicular and pedestrian access, a perimeter fence will be installed. The fence eliminates the need for a physical barrier to provide the required 80- to 100-foot stand-off distances around the building. Employees will continue to have "24/7" access to the building. Once in place, any vehicle

found in the parking lot without proper identification will be subject to towing.

Parking Lot Entrances. The building was constructed with four parking lot entrances. Access to the entrances will be restricted. Security gates will be installed at two of the gates. Intercoms will be placed at those gates which will be monitored by a security guard around-the-clock who can remotely open the gates to those with proper government identification. Without proper government identification, no one will be allowed into the parking lot during non-working hours. Exiting will be available at all gates all the time through the use of sensors which will control the opening of the exit gates. The sensors will be located so that stacking of vehicles waiting to exit will not occur.

Lighting. The parking area lighting will be upgraded to eliminate the dark spots that currently exist and to provide better illumination for our outside cameras.

The goal is improved security for employees and the missions they accomplish.

Success depends upon the acceptance and implementation by each employee.



Family News

Condolences to . . .

- Harry Hartwell (EC) on the death of his mother, Pauline Ionia Eversole, in December.
- Carolyn Daniel (CT) on the loss of her husband Dennis in January.
- The families of:

Scott Gleason, retired civil engineer, who passed December 13.

Charles Smith, retired civil engineer, passed December 13.

Roy C. Long, retired colonizer, passed December 24. Long retired in 1972 following 33 years of service.

Thank You!

Editor's Note – This thank you letter is from Lindsey Elementary School following the donation of school items. The donation was coordinated by the Resource Management Office and Planning, Environmental and Regulatory Division.

On behalf of the staff and students of Lindsey Elementary, I would like to again thank you and your colleagues for your generous donation of school supplies.

As you know, public schools throughout the entire state have been hard hit with budget cuts, and with Tulsa Public Schools being the largest of all of the school districts; we have certainly felt the sting of these cuts.

Your thoughtfulness . . . has been a great help in providing our students with some necessary items that enable them to become successful in daily educational experiences. Once again, our most sincere thanks to you.

*James R. Jones, Counselor
Lindsey Elementary School*

Editor's Note – Thank you letter from the Community Food Bank of Eastern Oklahoma. The donation of food items was coordinated by the Real Estate Division and the district CARE Council.

On behalf of the Food Bank, I want to thank you (Mr. Linduff) and the U.S. Army Corps of Engineers for donating 429 pounds of assorted grocery items on December 20, 2002. We are so grateful for your participation in the fight against hunger in Eastern Oklahoma.

While most of our food comes to us from the food industry, the types of food and package size that we receive as a result of a donation like yours are in the most demand by our programs that operate pantries.

Because of the help of folk like you, during 2002 Community Food Bank of Eastern Oklahoma distributed 8,100,000 pounds of food and other grocery products to 445 charitable programs serving 45,000 individuals each week.

Never doubt that your donation is making a fundamental difference in a neighbor's life. Because, when you are hungry, you can't sleep, you can't study or concentrate or work to the best of your abilities.

Sara J. Waggoner, Executive Director

Editor's Note – Thank you letter to the Public Affairs Office from Kay Scott Grant.

I would like to express my appreciation to you for the article about my father, Roy Long, and his 100th birthday celebration in the last issue of the *Tulsa District Record*.

Four days after his birthday celebration he had his first heart attack and ultimately passed away on Christmas Eve. Although we miss him terribly we are grateful that he lived a rich, full life up until the last few days that he lived.

The Corps meant so much to him and when he retired he missed his work terribly. I never heard him complain about his work in any way. Thank you for keeping him up to date with the happenings in the Tulsa District through the *Record*.

Kay Scott Grant

CISM

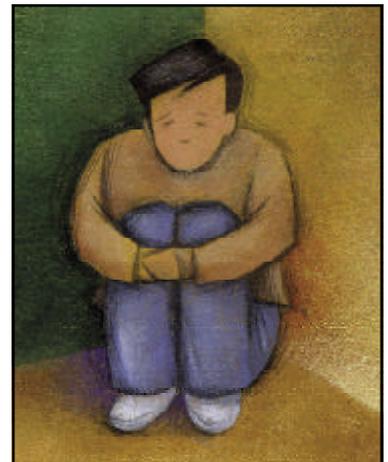
What is a critical incident?

A critical incident is any event that causes unusually strong emotional reactions that has the potential to interfere with the ability to function normally.

What Can You Expect? Even when an event passes, you may experience a strong emotional or physical reaction. It is very common, in fact quite normal, for people to experience emotional aftershocks when they have experienced a horrible event.

When Will These Reactions Occur? Sometimes the emotional aftershocks appear immediately. Sometimes they appear a few hours or days later. In some cases, weeks or months may pass before the stress reaction appears.

How Long Will It Last? The symptoms of a stress reaction may last days, weeks,



months, or longer, depending on the severity of the traumatic event.

What Can Be Done? The understanding and the support of loved ones help the stress reactions to pass more quickly. Occasionally, the traumatic event is so painful that professional assistance is necessary. This does not imply craziness or weakness. It simply indicates that a particular event was just too powerful for the person to manage alone.

(Material from Critical Incident Stress Foundation. Printed with permission.)

Greetings from the Past

A 1952 Tenkiller Ferry Dam Christmas Greetings card send in by Dorothy Richardson. The card includes pictures and names of the administration, engineering, inspection, maintenance, and operations teams.

