

Employee of the Year



Employee of the Year Patty Hickman is the program manager for the OER's Leaking Underground Storage Tanks and Voluntary Remediation programs.

Hickman's honor is 'well-deserved'

By Colleen O'Neill

Patty Hickman is described by some as a "tenacious" regulator, said Don Martin, Hickman's supervisor in the Department of Environmental Protection's Office of Environmental Remediation.

"But I think all would agree that she is firm, but fair," said Martin, weighing in on Hickman's recent selection as the DEP's 2011 Employee of the Year.



Hickman

"I am so pleased that Patty has received the agency's Employee of the Year award," Martin said. "The recognition of her efforts and service to our citizens is well-deserved."

Hickman's honor was announced at the DEP Employee Recognition Event on Oct. 5 at Little Creek Park in South Charleston. Hickman, who couldn't attend the gathering, was notified of her award by Cabinet

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Jumping right in ... head first

New section manager up to his neck in water issues

By Colleen O'Neill

Brian Carr hasn't exactly eased into his new position as Water Use Section manager for the Division of Water and Waste Management.

Carr was named to the post in September to replace Mike Stratton, who retired earlier this year. Already on Carr's plate was the daunting task of developing a State Water Resources Management Plan by 2013.

The Water Management Plan, part of a 2008 amendment to the state Water Resources Protection and Management Act, is designed to take a detailed look at future water uses in West Virginia and potential problems associated with those uses.

As if that isn't enough of a challenge, Carr has now had to switch most of his focus to water issues associated with the Marcellus Shale natural gas drilling boom in the state.

As part of an Emergency Rule filed this summer by the Department of Environmental Protection to increase the agency's oversight of horizontal well development in West Virginia, operators seeking a drilling permit are required to submit a water management plan if they intend to use more than 210,000 gallons of water during any one-month period. The plan is designed to help protect water quality and quantity in the state's streams in response to the water-intensive drilling methods

See MANAGER, Page 10



Brian Carr was named the DWWM's Water Use Section manager in September and hit the ground running. He and his staff are dealing with new water use requirements outlined in oil and gas drilling applications for horizontal wells.

Photo finish

■ *DEP project branching out to side hallways*

By Colleen O'Neill

On the first floor of the Department of Environmental Protection's Charleston headquarters, you'll see pictures decorating the side hallways.

Three program offices — the Division of Air Quality, the Office of Environmental Advocate and the Division of Water and Waste Management — are continuing an agency effort to add personality to the building's once-blank inside walls.

In June 2010, photos depicting West Virginia scenes were hung on the first-, second-, and third-floor main hallway walls to add some personality to headquarters, said June Casto, chief of Administration for the agency.

"We decided that it was time



Steve Payne, of Steve Payne Photography, sizes up some photos in the first floor hallways under the watchful eyes of Megan Smith (left) and Tricia Sizemore.

to start on the side hallways," Casto said. "I told the division directors they could hang pictures in the side hallways by their offices. We thought it would be good if they hung pictures that showcased their program — a sort of visual essay. The Fairmont DEP office has pictures that depict what we do. I thought that was a good example to follow."

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Pictures in the side hallways of DEP headquarters are intended to showcase the agency's programs.



Volunteers clean close to 2,500 miles of road in 2011

By Colleen O'Neill

Adopt-A-Highway volunteers cleared more than 800 miles of West Virginia roads during this fall's statewide cleanup in September.

The cleanup was the second of two Adopt-A-Highway efforts in 2011. The spring cleanup occurred in April.

"In this past year, more than 2,500 miles of roadway have been cleaned," said Sherry Thaxton, the state coordinator for AAH. "Since the program's inception in 1988, more than 87,000 miles of roadway have been cleaned."

No one can say West Virginia residents don't care for their state.

More than 5,000 volunteers turned out for September's cleanup. A total of 553,685 residents have volunteered since the Adopt-A-Highway Program was established.

"It's a great credit to the people of West Virginia that during this fall's statewide cleanup, 63 tons of litter and almost 200 tires were collected and properly disposed of," Thaxton said. "It's great to see that people have pride in West Virginia and want to return it to its scenic beauty."

Click for Adopt A Highway video story
<http://www.dep.wv.gov/pio/VideoGallery/Pages/AdoptAHighwayFallCleanup.aspx>



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A day out of the office

October weather perfect for Employee Recognition Event

More than 300 employees took advantage of beautiful weather to spend an afternoon outdoors during the Department of Environmental Protection's annual Employee Recognition Event on Oct. 5 at Little Creek Park in South Charleston.

DEP employees enjoyed a picnic lunch, followed by Bingo and other games. Cabinet Secretary Randy Huffman handed out Years of Service certificates and honored several Employees of the Month, as well as the Employee of the Year.



Tom Satterfield and Jennifer Hollars, out of the Logan office, enjoy a friendly game of Cornhole.



Barbara Miles, who coordinated this year's Employee Recognition Event, shares some time with John Paxton Jr. at the picnic. John Jr., who recently turned 1, is the son of Jennifer and John Paxton. Jennifer works for Accounting and Financial Reporting in the DEP's Office of Administration.



Above, more than 300 DEP employees spend the afternoon at Little Creek Park during this year's Employee Recognition Event. Top right, Linda Keller, left, picks up some door prize tickets from Judy Smith and David Kersey. Bottom right, Jeff McCormick, Jackie Taylor and Benny Campbell take in the festivities from the bleacher seats.



Morgantown's Waterfront Place Hotel hosted this year's conference.

Conference focuses on developing brownfields

By Mike Huff

Brownfield sites can be found throughout West Virginia, and are generally abandoned or inactive commercial properties with potential environmental contamination issues that may hinder redevelopment.

Brownfield redevelopment means bringing blighted property back into productive use and is the idea that brought community representatives from across the state to the 2011 Brownfields Conference in Morgantown recently.

The conference is sponsored by the West Virginia Brownfields Assistance Centers at WVU and Marshall and offers participants a chance to network and attend educational seminars on

topics ranging from site assessment to funding to community branding.

Redeveloping a brownfield site can be a complicated and potentially expensive project and that's where the Brownfields Assistance Centers come in.

"It's a huge undertaking, without question," said George Carrico, with the Southern Brownfields Assistance Center at Marshall. "What we do is help them through the process. It's mind boggling, especially when you get into an advanced, highly contaminated project."

Brownfield redevelopment also takes planning and community involvement. To see how one West Virginia city with an abandoned and decaying industrial center is reinventing itself for the 21st century, click on the link::

Click for Brownfields video story

<http://www.dep.wv.gov/pio/VideoGallery/Pages/WVBrownfieldsRedevelopmentConference.aspx>

DEP's Wandling not slowing down

By Tom Aluise

This summer, 11 of the best 65-over men's softball teams in the country were brought together in Dalton, Ga., to play for the Softball Players Association Class AA national championship.

Department of Environmental Protection employee Danny Wandling not only helped

lead his team to the national title but was voted the tournament's Most Valuable Player in the process.

The 69-year-old Wandling, who was recruited to play shortstop for a team out of Maryland, hit over .800 in helping his club go 7-0 in tournament play.



Danny Wandling was voted MVP of a national softball tournament in Georgia.

Wandling batted third in the order and belted his team's only home run. He was named to the Class AA All-America team.

"A lot of people think it's just a bunch of old guys out there in wheelchairs," Wandling said. "No, it's not that. It's unbelievable. It's fun and it's very competitive. That's the reason I like to play. I like to compete.

"Man, I just love it. I'm a kid at heart."

Wandling, a field inspector for the Division of Water and Waste Management's Underground Injection Control Program, has competed in five consecutive national tournaments, the first four with West Virginia teams. West Virginia did not have a 65-over entry this year so a team from Maryland was permitted to add Wandling to its roster.

Wandling, who turns 70 in May, has been playing baseball and softball most of his life.

"I've got a goal. I want to play until I'm 100," he said.

Project WET coordinator earns national recognition

By Tom Aluise

Rose Long reminds her boss of a certain marketing icon made popular in television commercials about a brand of battery.

"Rose reminds me of the Energizer bunny," said Pat Campbell, an assistant director in the Division of Water and Waste Management. "She never

stops, and her passion for educating teachers and children about the environment will benefit our state's waters for years to come."

Long has been the coordinator of West Virginia's Project WET water education program since its inception 16 years ago.



Rose Long displays the "Petey" award, presented to her during Project WET's national conference.

See **RECOGNITION**, Page 5

SOS coordinator is teacher first

By Colleen O'Neill

The torch has been passed. In this case, it's a macroinvertebrate dictionary and a water sampling kit.

Glenn Nelson is the new Save Our Streams coordinator for the Department of Environmental Protection.

After an 11-year stint as SOS coordinator, Tim Craddock moved into another position in the agency.

Nelson, who took over in early October, has a bachelor's degree in environmental science from Shepherd University and a master's in aquatic ecology from Hood College, in Frederick, Md.

He knew plenty about the Save Our Streams program before arriving at the DEP.

"I was involved with SOS as an undergrad at Shepherd from 1998 to 2000," Nelson said. "Dr. Dick Latterel headed up the SOS monitoring on Town, Bullskin, and Rattlesnake Run. I am familiar with the survey aspects of the program."

And before joining the DEP, Nelson did field work and research for the U.S. Geological Survey.

"I was employed at USGS's Leetown Science Center for over 13 years," Nelson said. "I was their field biologist and crew leader, and as such, I was responsible for the completion, among other things, of a 122 km, seven-year mussel survey on the Allegheny River."

"I was one of two primary mussel biologists for USGS," he said.

"But I'm more than field work-



Glenn Nelson succeeds Tim Craddock as Save Our Streams coordinator.

oriented. I took my findings, wrote and published papers on them, and then presented them to state, federal, and educational institutions."

Showing his versatility, Nelson branched out from working with and researching mussels to conducting radio telemetry on freshwater eels and horseshoe crabs.

Now, Nelson is ready to tackle the SOS program and instruct West Virginia citizens about the monitoring world.

"I have jumped right in," Nelson said. "Tim and I have surveyed Davis Creek in the Kanawha State Forest, I have attended stream management and protection plan

meetings with Tim and will assist in West Virginia's Envirothon."

West Virginia's SOS Program has one of the best volunteer monitoring programs in the Mid-Atlantic. And according to Craddock, the state is still getting requests for assistance from neighboring states and across the U.S.

"Tim has developed survey methods more specific to West Virginia, and they are tiered so that volunteers can learn and use more advanced approaches," Nelson said. "Tim has been influential in evolving West Virginia's SOS program. He has developed an online database, an extensive Web site and many more outreach tools."

Nelson said working with the SOS program was a perfect fit.

"Having the opportunity to teach the next generation, as well as informing today's generation, gives me great pleasure," he said.

"In a scientific community where the majority seeks to remove education in favor of research, it gives me great pride, being a naturalist by desire, to work with citizens of the state who choose to better learn environmental functions, roles, and dynamics."

"I am looking forward to incorporating that research mentality with my educational outreach desire to move this program further," Nelson said. "I am lucky to have Tim as a supervisor."

"I only hope that I can do justice to his work while carrying the torch."

RECOGNITION

Continued from Page 4

In December, she'll retire from the Department of Environmental Protection's DWWWM, but not before making a significant mark on West Virginia's educators and students, as well as the state Project WET program in general.

Long's contributions were recently recognized at Project WET's national conference in Bozeman, Mont.

There, she received the "Petey" Award, the organization's highest honor for coordinators.

The award is named after Mary Sue "Petey" Giroux, who was

Georgia's Project WET coordinator prior to her death in 2008 and was known for her energy, enthusiasm and ability to inspire others.

Long said she was surprised and honored to receive the award.

"Petey was an inspiration," Long said. "She was extraordinarily energetic, dedicated and passionate."

"She had the kind of qualities you have to have to succeed in getting the word out to volunteers."

Project WET (Water Education for Teachers) was established in 1984 by the North Dakota State Water Commission to educate the public

about water resources and its management. It has grown into an international organization.

State programs are designed to facilitate and promote awareness, appreciation, knowledge, and stewardship of water resources through the dissemination of classroom-ready teaching aids.

Long credits leadership at the DEP with playing a major role in helping the state's Project WET program remain consistently effective in educating teachers and students about water issues.

"The agency places great value in

education," she said. "Children represent the future and the brainpower of our nation. It is of paramount importance to help the education community in the state by providing to them fun, hands-on materials that make the study of water interesting and engaging."

Long said Project WET's national office will soon be distributing new publications with fresh activities and new initiatives for the states' educators and students.

"So, it's good timing for a new person to take over our program," she said.

"Change is not bad. It can be very good."



The DEP's Logan office was well represented at the National Association of State Land Reclamationists annual conference at Glade Springs Resort. From left are: Larry Alt, Allen Kuhn, Joe Hager (NASLR president), David Dean, Jennifer Hollars, Tom Satterfield, Cheryl Johnston, Ron Sheets, Annette Karr and John Damron.

State proves to be good host for NASLR group

Joe Hager liked what he heard from those attending this year's conference of the National Association of State Land Reclamationists (NASLR).

"Based on comments from many of the delegates, this year's gathering was one of the most successful in NASLR's storied history," said Hager, who works for the state Division of Mining and Reclamation out of Logan and also serves as NASLR president.

More than 115 people from 13 states attended September's three-day conference at Glade Springs Resort near Beckley. The state Department of Environmental Protection was among the event's sponsors.

Delegates represented interests in government, mining, consulting, academia and other disciplines.

Among the highlights of the conference were a field trip and classroom sessions featuring presentations from a diverse panel of experts on topics such as natural stream restoration principles, riparian habitat development, post mine lands practices and historical stream rehabilitation successes.

Logan's Apogee Coal Co. was awarded NASLR's national Outreach Award for the second time in three years.

Formed in 1972, NASLR has roughly 1,000 members in 38 states. It is a nationally recognized authority on the reclamation of mined lands and advocates the use of research, innovative technology and professional discourse to foster the restoration of lands and waters affected by mining-related activities.

DAQ cyclist at top of his class

Jerry Williams, an engineer in the Division of Air Quality, won first place in his class at the 2011 West Virginia Mountain Bike Association State Championships at Kanawha State Forest.

Williams finished first in the 35-44 age group of the Men's Vet Sport Class. He covered the challenging



Williams

18.5-mile course — with an elevation gain of close to 2,500 feet — in 2 hours, 2 minutes, 21 seconds.

Williams has been riding for 10 years but only races once or twice a year.

DEP retirements

Roosevelt Arthur
Administration
Last day: Sept. 1
Years of service: 20

Rhonda McGlothlin
DLR
Last day: Sept. 30
Years of service: 23

Robert Fala
DMR
Last day: Oct. 14
Years of service: 22

Jeff McCormick
DMR
Last day: Oct. 14
Years of service: 29

Glon Turner
DWWM
Last day: Oct. 17
Years of service: 16

Dan Lehmann
DMR
Last day: Oct. 28
Years of service: 35

Richard Phillips
DLR
Last day: Oct. 31
Years of service: 21

Terri McCormick
DWWM/EE
Last day: Oct. 31
Years of service: 36

Paul Dixon
DMR
Last day: Oct. 31
Years of service: 22

Danny Pritt
AML
Last day: Oct. 31
Years of service: 26

David Cunningham
DLR
Last day: Oct. 31
Years of service: 37

Charlie Stover
DLR
Last day: Oct. 31
Years of service: 40

Keith Stuart
DLR
Last day: Oct. 31
Years of service: 11

Doug Wood
DWWM
Last day: Oct. 31
Years of service: 33

Karst conference sheds light on quake

■ **Editor's note:** This story first appeared in The Journal of Martinsburg. It is being reprinted with permission.

By Jenni Vincent

Participants at this year's "Growing Communities on Karst" Conference not only had an opportunity to learn more about this fragile geologic formation, but one expert also discussed this summer's earthquake and its impact on some East Coast groundwater supplies.

Approximately 120 people attended the three-day conference at Shepherdstown's National Conservation Training Center. The Department of Environmental Protection was among the event's sponsors.

The conference included a tour of the Essroc Italcementi Group's limestone quarry.

"Going to the quarry was something special because a lot of people didn't know it was there.

"But the limestone in the Essroc Quarry is the purest in the United States, and because of that, it's a unique geologic feature for Martinsburg," said organizer Twila Carr, a project manager for the DEP's Voluntary Remediation and Leaking Underground Storage Tank programs.

"When you are going into that area you can see all the fractures and faults, which helps you understand how contamination can enter the groundwater," she



Jim Fulton, corporate geologist with the Essroc Quarry in Martinsburg, leads a tour of the facility as part of the "Growing Communities on Karst" conference.

said. This year's event, which was held in conjunction with the Great Valley Water Resources Science Forum, also provided an opportunity for groundwater specialist David Nelms to address how the Aug. 23 earthquake impacted wells and groundwater in several states.

"This earthquake definitely got people's attention. ... And from our perspective, it was also quite interesting," said Nelms, who is employed at the United States Geological Survey's Virginia Water Science Center in Richmond.

Nelms said the earthquake also impacted some groundwater supplies based on studies from Fairfax County, Va., Mercer County, Pa., and Webster and

McDowell counties in West Virginia.

While that's not too unusual, not all water levels have recovered to prequake levels, Nelms said, adding that there's also evidence that one aquifer may remain altered.

"This is probably a permanent change in the storage of the aquifer.

"It actually changed the aquifer matrix from this earthquake, and now there is less storage," he said.

"It was also interesting what happened in Webster County because at one point we thought the earthquake could have opened up a fracture point and physically drained the water out, but it has since stabilized," Nelms said.

New Additions Recent DEP hires

- ▶ Heather Browning, DMR
- ▶ Matthew Crowder, AML
- ▶ Richard Doyle, DMR
- ▶ Jason Liddle, DWWM
- ▶ Angela Garner, Admin.
- ▶ Yoseph Gebrelibanos, ITO
- ▶ Nathaniel Gunn, ITO
- ▶ Paul Ludwig, DMR
- ▶ Ronald Nelson, DWWM
- ▶ James Tallman, DWWM

Human Resources corner



Job Evaluation Committee analyzing JCQs

The Job Evaluation Committee, comprised of 27 Subject Matter Experts from various agencies and representing various occupations and the Division of Personnel (DOP) PLANS Team, has begun analyzing the content of JCQs using the Hay Point Factor System.

Job evaluation will continue throughout the fall. Information gathered during this phase will be used to write classification specifications for all jobs within state government — resulting in a new, updated Classification Plan. The DOP estimates this phase will be completed by early December.

Should you have any questions, please contact Sandy Kee at ext. 1554.

Employees of the month named



July honoree

David Kersey, who works for the Office of Administration, was named the July Employee of the Month.

When the DEP’s leave coordinator left HR in January, Kersey stepped in and assumed a large portion of her responsibilities, on top of his already busy workload.

He was able to manage the leave records in such a way that employees did not see any change in the level of service.

Kersey worked overtime, skipped breaks, and has been tireless in his efforts to ensure that the leave records were kept current.



August honoree

Brenda Cline, who works in permitting for the Division of Mining and Reclamation out of Welch, was named August Employee of the Month.

Drafting permits takes a tremendous amount of time and energy, and often these employees do not get the credit they deserve.

Cline is a very conscientious employee and does a great job at drafting permits.

During a recent record review, it was determined that Cline is responsible for drafting 30 percent of all NPDES permits for DMR.



September honoree

Joe Kessler, who works for the Division of Air Quality out of Charleston, was named the September Employee of the Month.

Kessler tracks changes to rules, guidance, etc. and is the coordinator for the DAQ’s major new source review program.

As coordinator, his efforts involve working on highly complicated projects and working with a number of industrial, regulatory and DAQ personnel.

Kessler consistently exceeds expectations in regard to reviewing and processing permit applications. One of his more recent projects involved the permitting of the state’s first coal-to-liquids facility.

His work on this project was subsequently duplicated in the permitting of two similar facilities in Kentucky.



October honoree

Jerry Williams, who works for the Division of Air Quality out of Charleston, was named the October Employee of the Month.

Williams reviews and issues air quality permits, in addition to serving as the division’s general permit coordinator, where he develops and implements a variety of industrial permits.

He consistently exceeds expectations by routinely issuing double the number of permits required of him.

As general permit coordinator, he has provided training for industry, as well as air quality personnel. He can be relied on to do the job correctly and quickly.

Williams is highly involved in and deals with issues regarding Marcellus Shale production and is part of a group that is providing comment on a new rule being promulgated by EPA.



REAP Chief Danny Haught and a volunteer examine a piece of litter picked up near Charleston's Magic Island during this year's Great Kanawha River Cleanup, sponsored by REAP.

Kanawha cleanup nets 3.27 tons of waste

By Colleen O'Neill

More than 100 volunteers participated in this year's Great Kanawha River Cleanup, sponsored by the state Department of Environmental Protection's REAP Program.

The cleanup included five sites spread out across the four counties the river touches.

Volunteers picked up trash at Magic Island in Charleston, St. Albans, Winfield, Campbell's Creek and Gauley Bridge. A total of 3.27 tons of trash was collected.

"Our volunteers worked very hard and were quite enthusiastic about the cleanup," said Travis Cooper, Make It Shine coordinator for REAP



REAP's Lisa Facemyer helped coordinate cleanup efforts on Magic Island.

(Rehabilitation Environmental Action Plan).

"People understand that although dropping the trash on the ground or in the water may be the quicker and easier thing to do in the here-and-now, in time, it will hurt the environment and subsequently, themselves."

Volunteers worked a total of 288 hours.

"The interaction I have with the volunteers is a bright spot in my job," Cooper said.

"I am always amazed at how people care about this state and are willing to invest their own time and energy in cleaning it up," Cooper said.

Click for Kanawha River Cleanup video story

<http://www.dep.wv.gov/pio/VideoGallery/Pages/KanawhaRiverCleanupVideo.aspx>

Honor Roll

Past DEP Employees of the Year

Employee	Year
Tim Craddock	2003
Tammy Thornton	2004
Wilma Pomeroy	2005
Brian Long	2006
Ben Lowman	2007
Mike Warwick	2008
Ken Politan	2009
Dave Montali	2010

HONOR

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Secretary Randy Huffman prior to its announcement.

"I was very surprised when Secretary Huffman notified me that I was selected as the Employee of the Year," said Hickman, program manager for the OER's Leaking Underground Storage Tanks and Voluntary Remediation programs. "I felt pleased and honored to have been chosen for the award. Unfortunately, I was unable to be present at the DEP annual picnic."

Hickman, who works out of both Wheeling and Charleston, is still recovering from a fall down a set of stairs at her home this summer.

She suffered two broken bones in the accident, which occurred when she tripped over her cat.

Despite her injuries, Hickman has kept busy, working part-time from home.

Hickman, who has close to 30 years of experience working to protect West Virginia's environment, assumed her current role as a program manager for OER last fall.

"We recognized her talents and skill sets, and were successful in wooing her to accept the program manager position," Martin said.

In her spare time, Hickman likes to walk and garden.

"DEP is a great organization in which to work," Hickman said. "The people here have a positive attitude about what they do every day."



Eager to learn

Participants in this year's Youth Environmental Conference spent a day at the Raleigh County Solid Waste Authority (left).

The three-day conference, sponsored by the DEP's Youth Environmental Program, drew close to 50 kids, ages 13 through 18, from around the state to Twin Falls Resort State Park.

Click for YEC video story

<http://www.dep.wv.gov/pio/VideoGallery/Pages/WVYouthEnvironmentalConference.aspx>

PHOTO

Continued from Page 2

Casto approves any photos before they're hung. "We wanted this to look cohesive and professional, so we hired a contractor to mat, frame, and hang the pictures," she said. "Everyone is required to use the signed contractor."

Steve Payne Photography of Charleston was awarded the bid. It is Payne's photos that are hanging in the DEP's main hallways. Payne also matted, framed, and hung those photos.

For the side hallways, the first floor put together a committee that had representatives from each of the three offices.

DAQ employees serving on the committee were: Gene Coccari, Stephanie Hammonds, Dee Smith, Mike Rowe, Tammy Mowrer and Joni White.

Terrie Sangid, Tricia Sizemore and Megan Smith represented Water and Pam Nixon and Diana Smith represented the Environmental Advocate.

Each office was tasked with finding pictures, including those shot by staff members, that told the story of what each office does.

DAQ Director John Benedict specifically wanted photos that showed historical air quality, such as older, dirty plants, Hammonds said.

"He also wanted to show new cleaner processes," Hammonds said. "Since outreach is a large component of DAQ's mission, he wanted photos depicting our interaction with students. Also, he wanted pictures that attempt to shine a light on modeling, air monitoring, and permitting activities. We tried to choose pictures that showed what we do as an office."

Nixon's entire staff, including Smith, John King and Dennis Stottlemeyer, worked together to select photos.

"We worked as a team, selecting pictures that illustrated what we do," said Nixon, chief of the OEA. A small office, it was created by the Legislature in 1994, as a response to public input.

"We did a group shot, showing who's in the office," Nixon said. "The other shots show the various functions."

"One picture shows a class at the 2010 Watershed Celebration Day workshop at which

"We tried to choose pictures that showed what we do as an office."

— DAQ's Stephanie Hammonds,
On selecting photos for the Division of Air Quality headquarters hallways

John was sharing information about DEP, and another picture shows Dennis at Marmet Locks."

The DWWM asked its staff to send in pictures.

"We went through the images we received, looking for the ones that were high enough quality to be enlarged," Megan Smith said. "Once we had selected pictures that were a good representation of our division, we brought them to my supervisor, Terrie Sangid for approval."

After each office selected its pictures, it was time to start displaying them.

"We tried to have the pictures tell some of the story of what we do in DAQ," Hammonds said.

"Before Steve came to hang the pictures, he would have each group place their pictures on the floor where they wanted them hung. In our first meeting with him, he suggested going down the halls and looking at the light pools, which are places on the walls where the lights reflect on them. That's where we ultimately hung the pictures."

"Basically, we met with Steve one time and he went over his suggestions for matting and framing."

After starting in December 2010, the first floor was finished in September 2011.

"Actually, for all the pictures that had to be picked out, the frames, the mats, the purchasing bid process and award, and all of the people involved, it happened pretty quickly," Hammonds said.

Casto said any office interested in hanging photos and has the funding, should contact her at ext. 1701, or send her an email: June.A.Cast@wv.gov.

MANAGER

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(hydraulic fracturing) used to extract gas from the Marcellus Shale.

Carr's staff is responsible for reviewing those water management plans.

"We have limited all other work duties and temporarily focused the entire Water Use staff to development of a system to review the water management plans required to acquire a gas well permit," Carr said.

"At first glance, creating a process to review water management plans for the Office of Oil and Gas seemed to be a fairly simple project, until it was realized that there

were a lot of unanswered questions and thresholds involved," Carr said.

"Those included definition of the flow regime, where the aquatic life begins to be threatened and transferal of stream statistics from gauged streams to ungauged streams. Essentially, we have been asked to estimate future stream flows on gauged and ungauged streams based on statistics and historic records derived from gauged streams."

Carr, however, expects all problems to be solved and credits the efforts of his supervisor, Pat Campbell, as well as Water Use Section staffers Jason Harmon and Jon Michael Bosley, for helping move the

project along.

"We will achieve this goal by a combination of cooperation from other state agencies, intense research, dedicated database management, use of GIS software to manage and interpret data, and precise statistical analysis," he said.

"Once the water management plan review tool is up and running we will get back to the business at hand, the state Water Management Plan."

Carr, a Charleston native, worked for 12 years as a geologist before joining the DEP in 2008.

He also serves as the DEP representative on the ORSANCO Water

Resources Committee, The West Virginia Water Gauging Council and the WVSU Research Advisory Council.

Dealing with Marcellus issues is not entirely new to Carr.

"The Marcellus Shale has been a portion of my job duties since I was hired in 2008, including the creation of a Web-based frac water tracking database and the assistance in the creation of the water withdrawal tool," Carr said. "Due to the significant amounts of water used in hydraulic fracturing and the nature of nomadic stream withdrawals, the Marcellus has evolved into a larger and permanent portion of my daily duties."