



# DISCOVER DEQ

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY NEWSLETTER



November 2015 Issue Number: 46

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## DEQ reports on activities at the AWMA Conference

DEQ Secretary Peggy Hatch was one of the opening speakers at the 2015 Annual Conference of the Louisiana Section of the Air & Waste Management (AWMA) Association. Hatch stepped to the podium and back into history for a moment as she discussed taking over as head of the agency. "I began just before the BP Oil Spill," she said. Hatch became DEQ secretary in January 2010 and the Deep Water Horizon event was in April of that same year.

Hatch went on to mention DEQ's involvement at Camp Minden, where tons of explosives were illegally stockpiled and improperly stored. An explosion in 2012 alerted authorities to the presence of the threat. Both EPA and DEQ were involved in the ongoing response. Incineration of the remaining explosives at the north Louisiana site is expected to begin in 2016.

Hatch kept her remarks brief, instead turning to assistant secretaries Tegan Treadaway and Chance McNeely, who also spoke at the Oct. 28 event at Hotel L'Auberge in Baton Rouge. She turned the rest of the program and details to the assistant secretaries.



*DEQ Secretary Peggy Hatch gives an overview of DEQ activities at the AWMA Conference*

Treadaway took to the podium and offered some detailed updates on expedited permits, the Advance program (air pollution), the new ozone standard recently announced by EPA, rule-making and the EPA's Clean Power Plan. She also touched on the push to add water quality trading (credits that could be banked), which would use "banking like on the air side."

McNeely emphasized changes in e-reporting; specifically to the online submission of discharge management reports, or DMRs, known as the NET DMR program. "We now have a lot of utilities that will have to start doing NET DMR by 2016." He discussed the Risk Evaluation/Corrective Action Program (RECAP, changes in enforcement processes, the resumption of the mercury monitoring program using fish tissue sampling -- "we are very excited about doing that" -- and the effort to get a new mobile air monitoring laboratory (MAML). The state's waste tire program needs

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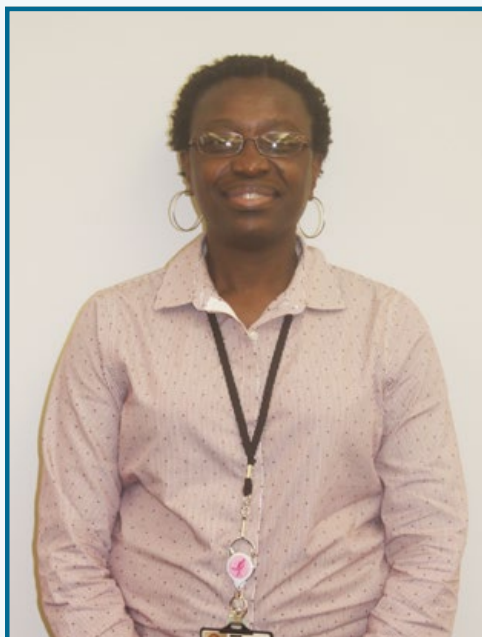
more markets for end use of processed tires, he said, and asked members of industry in the audience to think about uses for tire chips at their facilities. "There are good uses for waste tires," McNeely said.

The realignment of regional offices recently resulted in a new hire, Donny Hackler, who takes over the consolidated Lafayette/Pineville offices as the Acadiana Regional Office (ARO) Manager, McNeely said. The Pineville office will no longer be attached to the Northeast Regional Office (NRO).

Dutch Donlon, DEQ's administrator in waste permits, spoke to the conference attendees about changes in solid waste regulations, including where to find proposed rules on the DEQ website. Donlon mentioned the EPA's new Coal Combustion Residuals Rule that affects coal-fired utilities that have coal ash disposal concerns. "The rule was set up to address really, really serious situations in other states," he said. Those situations do not exist in Louisiana, Donlon said. A significant new rule concerns the definition of solid waste, he said. Other new rules regulate disposal of pharmaceuticals by drugstores and health care clinics, new requirements that will result in more landfills collecting methane emissions in the future and a revision of rules for disposal for cathode ray tubes which contain lead, Donlon said.

Other DEQ personnel who presented at the conference were Mike Hahn and Patrick Devillier (SW060- solid waste rule), Martin Perrilloux and Will Steele (financial assurance planning and flexible acreage), Bryan Johnston (air permits update), Amanda Polito (LDEQ 101 & networking), Craig Easley (waste).

## DEQ mourns loss of Evita Lagard



Evita Lagard

Longtime DEQ employee Evita Noreen Lagard died Tuesday, Oct. 13, at The Crossing at Clarity Hospice of Baton Rouge. She was 49. Ms. Lagard had been administrator of the Assessment Division since 2013. She had worked at DEQ since 1989 serving in permitting, enforcement and surveillance in several divisions, including solid waste, hazardous waste and underground storage tanks.

Ms. Lagard was 49, a resident of Baton Rouge and native of Morgan City. She held a Bachelor of Science in chemistry from LSU and a Master of Science in environmental science from Southern University. Her coworkers at DEQ remember her as a dedicated and hardworking person devoted to serving Louisiana by protecting the environment and people of the state.

"Evita will be missed by everyone who knew her ..." said Bryan Riché, Office of Environmental Compliance.

Ms. Lagard's family conveyed a thank you to everyone for all of the expressions of love shown them during this time.



## DEQ restructures regional offices; Hackler takes over at ARO

**D**EQ is restructuring its Southwest, Acadiana and Kisatchie regions to better serve the respective communities.

Instituted by Chance McNeely, Assistant Secretary of Environmental Compliance, the changes will streamline personnel and resource coverage to shift some of the workload from the Southwest Region which is experiencing significant industrial growth.

“The industrial growth in the Lake Charles region prompted the need to return the Southwest Regional Office (SRO) to a stand-alone manager who could direct his full attention to that area’s environmental needs,” Inspections Division Administrator Tom Killeen said.

With SRO Manager Billy Eakin working full time out of the Lake Charles office, McNeely saw the need to restore the Acadiana Regional Office (ARO) manager position in Lafayette left unfilled by the previous incumbent’s retirement. Donnie Hackler was hired as ARO manager. Hackler previously served as a geologist in DEQ’s hazardous waste division from 1991 to 1998 before spending nearly 17 years in the refining and exploration and production industry.

“We were really fortunate to find someone with previous experience at DEQ and an impressive career in industry who can take on the challenge of running the expanded Acadiana Regional Office,” McNeely said. “Tom (Killeen) and I are happy to welcome Donnie Hackler back to DEQ.”



*DEQ's Acadiana Regional Office is located at 111 New Center Drive in Lafayette*

McNeely also decided it made sense to shift the Kisatchie office in Pineville to the Acadiana Regional Office because of the better road connection between Lafayette and Pineville – Interstate 49.

The Kisatchie office previously fell under the responsibility of Larry Baldwin, manager over the Northwest Regional Office (NWRO) and Northeast Regional Office (NERO) in Shreveport and Monroe, respectively. The change allows Baldwin to focus solely on the northern part of the state along the Interstate 20 corridor and surrounding parishes. Winn Parish, which had been served through the Kisatchie office, will no longer be part of that office and will be served by NERO.

“Overall, the restructuring will allow DEQ to better serve the citizens of Louisiana through a more structured chain of command,” said Killeen.



## EPA's NPDES Electronic Reporting Rule to require universal electronic reporting

**E**lectronic filing of Discharge Monitoring Reports (DMRs) will soon be a requirement for all National Pollutant Discharge Elimination System (NPDES) facilities. On Oct. 22, the U.S. EPA published a new rule that requires everyone to submit DMRs electronically. The NPDES Electronic Reporting Rule becomes effective Dec. 21, 2015.

The rule comprises two phases. Phase I requires electronic submittal of DMRs and development of the Phase II implementation plan by Dec. 21, 2016. Phase II requires electronic submittal of Notices of Intent (NOIs), Notices of Termination (NOTs) and program reports by Dec. 21, 2020. DEQ is working on the most efficient way to implement the rule, contact those affected and encourage them to comply.

DEQ is ahead of the game when it comes to electronic reporting of DMRs. NetDMR, the web-based tool used to report DMRs electronically, was made available to all Louisiana NPDES permittees upon its release in June 2009. Additionally, DEQ has been giving informational presentations about the system at conferences around the state and has held bimonthly hands-on training classes.

Many DEQ permitted facilities are already using the system effectively. Since NetDMR's implementation, DEQ has seen an increase in facilities submitting data through NetDMR from 13 in 2009 to 1,114 as of November 2015. This number will increase to greater than 10,000 once the entire permitting universe is submitting electronically. For those facilities using NetDMR, the benefits include elimination of paper DMR submittals, improving data quality, encouraging proper reporting, providing email confirmation of submission and saving money on postage for the facilities.

As part of the NetDMR outreach, the PCU has sent out letters to the major water permit facilities encouraging NetDMR usage before the deadline as well as postcards with information about upcoming training sessions. In 2016, training class frequency will increase to monthly to prepare for the Dec. 21 deadline. Information about NetDMR and training classes can be found on the DEQ public website at [www.deq.louisiana.gov/netdmr](http://www.deq.louisiana.gov/netdmr).

**\*\*Detailed information about the rule can be found at <http://www2.epa.gov/compliance/final-national-pollutant-discharge-elimination-system-npdes-electronic-reporting-rule>\*\***

## Wildland Hydrology course takes students out of classroom, into field

**L**ouisiana is famous for its water and streams and preserving them is a major part of DEQ's mission. Keeping up with the latest techniques and science is an important part of that task, so DEQ offered a weeklong class in Applied Fluvial Geomorphology for DEQ and Louisiana Department of Agriculture and Forestry (LDAF) personnel.

The class was taught by Dave Rosgen, P.H., Ph.D., Registered Professional Hydrologist and Principal Hydrologist of Wildland Hydrology, Inc. Rosgen has 44 years of experience in the field.

This introductory course is designed to familiarize students with the fundamentals of river behavior and the general principles of: fluvial geomorphology, sedimentation, hydraulics, restoration, fish habitat improvement, riparian grazing management and streambank erosion. Applications of these principles are presented utilizing a stream classification system. Problem solving techniques for watershed management, riparian assessment, fish habitat structure evaluation, stream restoration, nonpoint source pollution and the integration of ecosystem concepts into watershed management are taught.

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The course, which lasted a week, was a combination of lecture and a trip out into the field to see firsthand how class material applies to the real world.

Along with DEQ and LDAF employees, outside contractors were invited to attend the course to serve as Team Leaders with the prerequisite of having attended all four of Wildland Hydrology's courses. The team leaders assisted the class with their expertise, field data collection and data preparation for the class presentations. There were participants from Louisiana Department of Agriculture and Forestry, Meanders River Restoration, Inc., Delta Land Services (Ecologist Restoration Specialist), Pangaea Conservation & Compliance (Environmental Engineer & Wetland Ecologist), National Oceanic & Atmospheric Administration (NOAA) Restoration Center (Marine Habitat Resource Specialist), Indian Bayou Atchafalaya Basin Floodway System (Park Manager), and Resource Environmental Solutions (Wetland Biologist).



*Participants in the Wildland Hydrology weeklong course at DEQ get ready for a field trip to put their knowledge into practice.*

"The Applied Fluvial Geomorphology Course was presented to DEQ and LDAF personnel in order for them to become better acquainted with fluvial geomorphology, sedimentation, hydraulics, fish habitat improvement, riparian grazing management and stream bank erosion," said David Greenwood, DEQ environmental scientist manager. "All of these are essential factors in field data collection processes which are crucial for representative site selection." Greenwood and Lisa Miller, DEQ environmental program analyst, planned the week's events.



*Students took a field trip to apply principles of wildland hydrology.*



*Participants survey a stream from a bridge.*



## DEQ's Aquifer group reaches out door-to-door, offers classes on sewage treatment

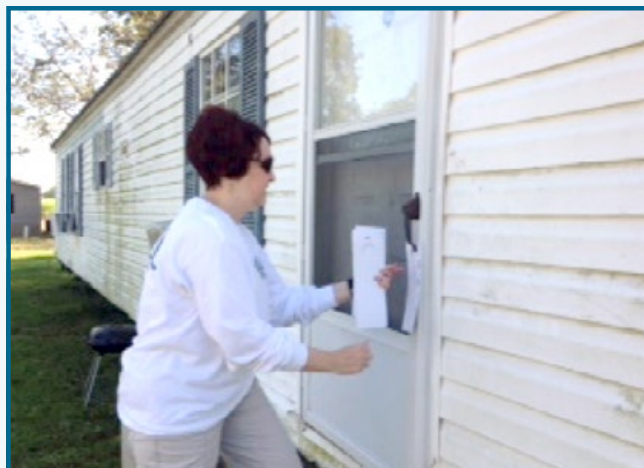
Geologists from DEQ's Aquifer Evaluation and Protection Section hit the streets of Ascension, Assumption and Lafourche Parishes in October to inform the public of a free sewage treatment system maintenance class and on-site demonstration in Thibodaux. The class was a joint effort headed by DEQ and the Louisiana Rural Water Association (LRWA) to teach local citizens how to maintain their sewage treatment systems.

The effort to inform the public began with a press release public announcing the classes. The DEQ team then distributed hundreds of workshop announcement cards to residents and businesses along Bayou Lafourche. A direct mailer was sent to residents from the Assumption/Lafourche Parish line along the bayou to the town of Valentine, just south of Raceland. Announcement cards were also delivered to high-traffic areas, such as stores, banks, civic centers and churches in order to spread the word.

The endeavor specifically targeted those areas whose sewage problems were found to be negatively impacting the bayou from Donaldsonville to Larose. Target areas were determined based on a sewage study that located conveyances of drainage (ditches, canals, culverts) to Bayou Lafourche that consistently contained sewage. Sewage was identified through analyses for fecal coliform, laundry detergents and human molecular markers.

Since the study, DEQ has worked to mitigate improperly treated sewage from these areas. One facet of this approach is the surveillance and inspection of 780 facilities and non-residential wastewater treatment systems along the bayou. DEQ also coordinated with the Louisiana Department of Health and Hospitals (DHH) and the Barataria-Terrebonne National Estuary Program to inspect residential sewage treatment systems and provide a cost share of repair or replacement of malfunctioning systems. In addition to regulatory and compliance endeavors, DEQ is providing information to the public on what they can do to better manage their residential systems.

Four classes, each an hour and a half in duration, were offered at Gouaux Hall on the Nicholls State University campus in Thibodaux. At least 76 residents attended the classes, which were geared toward homeowners and owners/operators of on-site sewage treatment systems. "It's all part of an effort to protect Bayou Lafourche from receiving improperly treated sewage by informing stakeholders about the proper treatment processes and protocols," DEQ Geologist Supervisor John Jennings



*DEQ Geologist Mary Gentry distributes workshop announcement cards to residences in Paincourtville.*



*DEQ Geologist Jesse Means gave a sewage treatment presentation at Nicholls State University.*

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said.

At least 24 residents attended one of several 20-minute hands-on demonstrations at a residence near Thibodaux along La. 308. The demonstrations provided a more detailed, hands-on understanding of how sewage systems function and their relationship to the environment.

“The information provided will help residents and small business owners avoid unsanitary conditions from impacting their home or business,” DEQ Geologist Jesse Means,said .

The classes and demonstrations are just one component of the overall effort to improve the environment in that region, as water sampling, education, outreach efforts and additional studies continue to be undertaken by DEQ, LRWA, Nicholls State University, DHH, the Barataria-Terrebonne National Estuary Program and the Bayou Lafourche Fresh Water District.

For more information on the effort, contact Jesse Means, DEQ geologist, at (225) 219-1927, [jesse.means@la.gov](mailto:jesse.means@la.gov), or Rusty Reeves, LRWA deputy director at (337) 738-2896, [rutree@centurytel.net](mailto:rutree@centurytel.net).



Photo by: Susan Robbins, LRWA

Rusty Reeves, LRWA Deputy Director (far left), clears sod from the sewage system of Lafourche Parish Resident Wade Knight (center), as Reeves and DEQ Geologist Jesse Means (right) discuss the sewage treatment process.

## Louisiana Science Teachers and Math Teachers Conference

Approximately 2000 Science and Math educators and administrators, from pre-kindergarten through college level participated in the joint Louisiana Sciences Teachers/ Louisiana Math Teachers Conference at the Baton Rouge River Center. The theme, “Enlightening Students, Empowering Teachers,” was the focus of sessions by presenters at the various workshops.

DEQ Environmental Scientists Linda Hardy and Al Hindrichs, as well as representatives of other state agencies, provided participants with a wealth of environmental educational resources and tools to enhance the environmental awareness. Teachers and participants were able to peruse booths set up by the 86 exhibitors who attended the mid-November event.

Hindrichs piqued the interest of many of the educators with the hands-on interactive “Walnut Bayou,” a dynamic river simulation display experience.

Linda Hardy, DEQ Environmental Scientist Senior, provided various environmental resource materials, including information on the Non-Point Source Pollution Program and the Environmental Leadership Program, a voluntary cooperative program led by DEQ in partnership schools and universities among other entities.

“This conference allowed DEQ to reach the very teachers that promote environmental stewardship in Louisiana,” Hardy said. “We were able to inform them about the resources we have available for their classes, such as kitchen chemistry demonstrations and the Environmental Leadership Program recognition for schools.”



Linda Brown, DEQ environmental scientist, gives science teachers an animated explanation of the Environmental Leadership Program.



## DEQ participates in 18th Annual ChemFriends Expo in Gonzales

Educating students about environmental stewardship and the value of chemicals is important and every year the ChemFriends Expo, held at the Gonzales Civic Center in Ascension Parish, is a fun, hands-on way to do it. And for the 18th year, environmental scientists from the Louisiana Department of Environmental Quality have participated. ChemFriends Expo is a science-based opportunity for hands-on experience with chemistry. More than 1,800 sixth-grade students attended the two-day event. Fourteen local businesses and organizations participated.

In addition to DEQ, participating organizations this year included Southern University, Shell Chemical, Air Products, Westlake Chemical, Rubicon, Honeywell, Motiva Enterprises, Methanex, Potash Corporation, OxyChem, BASF, CF Industries and the Gonzales Fire Department.

The Expo is a science exhibition that gives participating organizations an opportunity to interact with students and provide them with their own outlook on a specific chemistry process. The event's show-and-tell structure allows organizations to demonstrate a science-based aspect of what they do in a unique, fun way, while keeping students involved.

Ascension Parish students arrived just after 9 a.m. and were provided protective glasses and a safety orientation before proceeding to their first station. The students were divided into groups and guided to each station by student volunteers from nearby St. Amant High School. Each station, hosted by a business or organization, provides a science-based demonstration or an activity where the students can assist in conducting experiments. Demonstrations center on basic chemistry processes in an easy-to-understand fashion, with each group receiving approximately 10 minutes at each station.



*DEQ Environmental Scientists Curt Auzenne and India Ambeau demonstrate Kitchen Chemistry – how various household chemicals fall on the pH scale – to students from Dutchtown Middle School.*



*DEQ Administrative Assistant Mintia Canelas (left) prepares test tubes while DEQ Environmental Scientist Connie Payne gives the students an overview on the differences between acids and bases.*

DEQ's demonstration was based on the concept of "kitchen chemistry, where various chemicals and products commonly used in households are tested to determine their position on the pH scale. Everyday products such as ammonia, baby shampoo, fabric softener, lemon juice, carbonated soda, aspirin, glass cleaner, baking soda, antacid tablets, vinegar and orange juice were placed on the display table for the students to observe and test. Students divided into two teams and competed by guessing whether the solution was a base, acid or was neutral. The solutions were dropped into boiled red cabbage water which turns pink if the product is acidic, green if it's a base and stays purple if it's neutral.

"The ChemFriends Expo is a great opportunity for students to participate in chemistry-related demonstrations – all in a fun and educational format," DEQ Secretary Peggy Hatch said. "Since a variety of organizations participate, the event serves as combination science class and career day. It educates students and gives them a preview of science-based careers."





## Shreveport/Bossier's Red River Cleanup removes more than 12,000 pounds of trash

**R**ainy weather didn't stop the more than 350 volunteers who came out to the sixth annual Red River Cleanup at the Stoner Boat Launch in Shreveport on Saturday, Nov. 7. During the four-hour event, more than 12,036 pounds of trash was removed, including at least 96 waste tires.

Augmenting the volunteers were law enforcement personnel, private boaters, shuttle van drivers and food sponsors who supported the endeavor by lending their skills to ensure the event went smoothly.

To date, more than 1,630 volunteers have participated in the annual event, clearing upwards of 49,436 pounds of trash from the Red River and surrounding areas. "We actually had 50 more volunteers than last year, which had better weather," said Lisa Willard, vice president of the Red River Cleanup organization.

The idea to launch a comprehensive cleanup of the area was formed in 2010, when a group of outdoor enthusiasts held a recreational paddle down the Red River. During that excursion, they noticed a major trash problem that seemed to be going unaddressed. Wanting to make a difference, the group formed the Red River Cleanup in order to "ignite community pride by bringing Shreveport/Bossier together to keep the Red River and its surrounding areas free of debris and trash."

Watershed Education is also a vital part of the event, as the group's website promotes efforts to better understand how trash gets into the Red River in the first place. Several educational resources are also available at the cleanup event, with the goal of zeroing in on the source of the trash problem and stopping it in its tracks.

"More than 3.5 nautical miles are covered, and the trash is weighed, sorted and delivered to recyclers instead of just sending it to a landfill," said Adam Willard, president of the Red River Cleanup organization.

The many volunteers included DEQ Environmental Scientist Kelly McDermott, based in the Inspections Division in the Northwest Regional Office in Shreveport. McDermott braved the rain with the others to conduct a trash sweep along the shoreline. For her, the event took on a personal meaning as well as a civic-minded one.



Photo by: Lisa Willard

*A volunteer discovered this pile of waste tires along the Red River during a sweep of the shoreline.*



Photo by: Kelly McDermott

*DEQ Environmental Scientist Kelly McDermott hauls a bag of trash accumulated during her sweep along the Red River.*

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*Photo by: Lisa Willard*

*Volunteers prepare to transport debris and waste tires to a debris collection point.*

“My family and I regularly use the running and biking trails up and down the Red River. As a member of our community, the Red River Clean Up is a great way to give back and see tangible, immediate results,” McDermott said. “We owe it to ourselves, the community and most importantly, the wildlife that depend on the river to keep it clean and healthy.”

As per tradition, through the event’s sponsors, the group awards gift cards, gift checks, goodie bags, jewelry, outdoor gear and other prizes to those who find weird or unique items along the river. Some of this year’s discoveries during the “Crazy Trash Contest” included a mannequin head, pair of roller skates, a grocery cart, an iPhone, a mattress frame, a troll, a film projector, a meat grinder, a trash can, a hair roller, a water sprinkler, a CB radio, a gasoline tank, a hard hat and a video camera.

Adding to the levity was Shreveport resident and 2014 “Survivor” reality show contestant Keith Nale, who was on hand to host the “Survivor Immunity Idol Challenge” – a treasure hunt of sorts that proved to be a fun sidebar to the day’s activities. For the challenge,

Nale hid an immunity idol necklace that he made by hand along the cleanup route. Troy Burns, an Air Force service member based out of nearby Barksdale Air Force Base, found the necklace, winning a Wilderness Kayak donated by Hook1/Harbuck Outdoor Sports.

Sponsors for this year’s event included The Alta and John Franks Foundation, AT&T, Calumet Specialty Products Partners LP, and Gremillion and Pou Integrated Marketing. Lunch was provided by Buffalo Wild Wings, Jason’s Deli and Rotolo’s Pizzeria.

“Needless to say, we were blown away by the outpouring of support from the cities of Shreveport and Bossier City,” Lisa Willard said. “The cleanup effort is a direct result of our committed volunteers and donations by our generous sponsors. Without them, none of this would be possible.”

More information about the event can be found at: <http://www.redrivercleanup.com/>. To donate or help with sponsorship of next year’s event, please contact: George Gehrig at (318) 564-0840, or email: [Geogehrig@gmail.com](mailto:Geogehrig@gmail.com).

For information on how your organization or group can help on cleanup day or to become a member of the Red River Cleanup, please contact: Lisa Willard at (318) 773-9404, or email: [Lisa@redrivercleanup.com](mailto:Lisa@redrivercleanup.com).

Follow #STOPTHEDROP on Twitter.

# DEQ HOLIDAY CONTEST:

USE GEAUX RIDE TO WIN FREE TICKETS TO THE BALLET!



GEAUXRIDE.COM

## What is Geaux Ride?

A free carpooling match service that pairs coworkers based on similar routes, personal preferences, and employer information.

Geaux Ride is completely free to use and is offered to all DEQ employees.

**GEAUX RIDE: IT ALL ADDS UP!**

Geaux Ride is a project of the Capital Region Planning Commission. Questions about Geaux Ride should be directed to JT Sukits at [JTSukits@brgov.com](mailto:JTSukits@brgov.com).

## How to Enter

1. Sign up on [geauxride.com](http://geauxride.com).
2. Get matched up with coworkers who live in your area.
3. Carpool!
4. Log your carpooling commutes with Geaux Ride.
5. Log the most carpools to win 2 tickets to attend the Baton Rouge Ballet Theatre's The Nutcracker!

The contest is from Nov. 11-Dec. 11. The DEQ employee with the most carpools logged will win the tickets. In the event of a tie, a name will be chosen at random from the pool of tied contestants.





## Who's Who At DEQ?



**Donnie Hackler – Regional Office Manager, Acadiana Regional Office and Kisatchie Central Office**

Hackler graduated from NLU with a B.S. in geology and worked as a geologist in the hazardous waste division of DEQ from 1991 to 1998. He then spent almost 17 years in the refining and exploration and production industry as a Health, Environment and Safety (HES) professional in Louisiana, Ohio, Equatorial Guinea and Texas before retiring. Hackler rejoined DEQ in October 2015 as regional office manager and is glad to be back in Louisiana among family and friends.

**Sarah Dantin – Environmental Scientist, Inspections Division – Acadiana Regional Office**

Dantin graduated from University of Louisiana at Monroe, in May 2015 with a B.S. in Toxicology with a minor in chemistry. Dantin joined DEQ in October 2015. She is from Pineville and is excited to have a job that allows her to stay close to home.



**Steve Schwartz –chemical specialist advanced, ECS3**

A graduate of the University of Florida, Schwartz holds a degree in chemical engineering. He also studied at ULL. Schwartz spent 30 in industry in Louisiana before joining DEQ in 2012.



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## Louisiana Department Of Environmental Quality's Fourth Quarter Summaries

### Fourth Quarter 2015 Enforcement Actions:

<http://www.deq.louisiana.gov/portal/DIVISIONS/Enforcement/EnforcementActions.aspx>

### Fourth Quarter 2015 Settlement Agreements:

<http://www.deq.louisiana.gov/portal/DIVISIONS/Enforcement/SettlementAgreements.aspx>

### Fourth Quarter 2015 Air Permits:

<http://www.deq.louisiana.gov/portal/tabid/2922/Default.aspx>

### Fourth Quarter 2015 Water Permits:

<http://www.deq.louisiana.gov/portal/tabid/2899/Default.aspx>

### Fourth Quarter 2015 Solid and Hazardous Waste Permits:

<http://www.deq.louisiana.gov/portal/divisions/wastepermits.aspx>

