DISCOVER DEQ
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY NEWSLETTER

July 2014 Issue Number: 30

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Hurricanes are a fact of life – DEQ is prepared

Tropical Storms and hurricanes are a fact of life in Louisiana and other coastal states and right now, we are well into the 2014 hurricane season. DEQ prepares for these and other catastrophic other events all year long.

DEQ has equipment and personnel staged to answer emergency calls. Since Hurricane Katrina, when so many debris sites were needed, DEQ has established pre-approved debris sites in the parishes so that when and if they are needed, the parishes know where to take debris and what site has been approved for what type of debris. DEQ formulated a comprehensive Disaster Clean-up and Debris Management Plan that is updated regularly. The Debris Plan and the pre-approved sites can be found on the DEQ website at **www.deq.louisiana.gov/portal/DIVISIONS/WastePermits/DisasterDebrisManagement.aspx**. DEQ shared this plan with the states on the east coast that were impacted by Hurricane Sandy.

In June, DEQ emergency response and regional office personnel delivered updated Hurricane Resource Manuals to all 64 parishes. These DEQ personnel instruct the emergency operations and parish people on the use of the book. The manual includes contact information, pre-approved debris sites, the Debris Management Plan, a list of sanitary wastewater treatment facilities, re-entry information and much more. These manuals are a valuable resource if a parish loses power or cannot connect to the internet.

Prior to storm landfall, DEQ gears up to contact industry, sewer systems and the public. Industry is contacted to be sure their emergency plans are in progress and check to see if they have containers that have to be properly secured. Sewer system operators are also contacted to ensure their systems are prepared for power outages, and that contingency plans and safety protocols are in place and operator personnel are on standby. After Hurricanes Katrina and Rita, DEQ and its state, local and federal partners recovered more than six million orphaned drums. These drums ranged in a variety of sizes and contained all kinds products, some of which could have been damaging to human health or the environment. Many of these containers would not have been of concern had they been properly secured before the storms hit. Also, there were numerous oil and other spills related to the storms of 2005. Proper emergency procedures instituted before the storms may have significantly reduced these releases.

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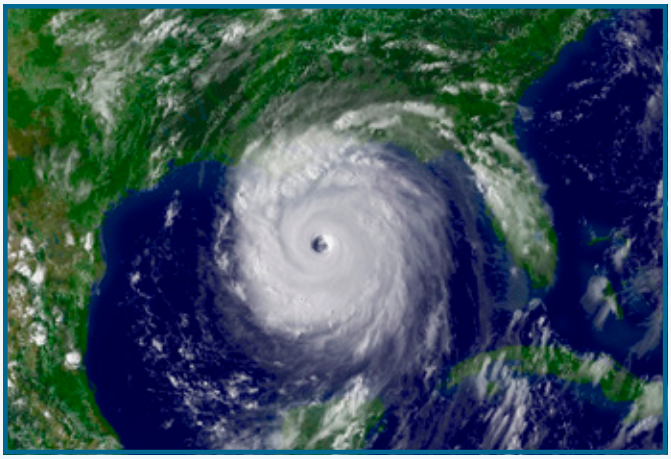

Hurricane Katrina 2005

DEQ Secretary Peggy Hatch said, "Early preparations by industry leaders and the public may help reduce possible environmental harm. DEQ encourages everyone to do what is necessary to be safe and environmentally sound before a storm hits the state."

Individually, there is much that citizens can do in advance to safeguard their property and provide for their welfare. There are two websites that are extremely helpful in determining what you need to do and how you should prepare. On the Get a Game Plan website, you will find an updated copy of the Louisiana Emergency Preparedness Guide at **www.getagameplan.org**. It outlines what you can do to better prepare yourself, your family, your pets and your business. Listen carefully to local official and emergency sources and make preparations to evacuate if necessary.

DEQ asks that citizens and business owners take preventive steps to mitigate environmental hazards and eliminate potential threats before they become major problems:

- Remove and secure any debris around homes and businesses that could cause a hazard as projectiles and obstructions in the event of heavy winds and high water conditions.
- Keep storm drains clear of debris.
- Abide by all evacuation orders and instructions communicated by local government and the Governor's Office of Homeland Security and Emergency Preparedness.
- Ensure that your family and business has a thorough, logistical plan in place in the event of evacuation or shelter-in-place. Stock up and account for food and water, medication, important documents, pets, supplies, flashlights, batteries, clothing, road maps and gas.
- Keep a radio on hand with backup batteries in order to receive storm updates and recovery information.
- Charge cellphones and keep important phone numbers written down and available.

Citizens are asked to report any environmental concern by contacting DEQ at **(225) 219-3640** or toll free **1-888-763-5424**. Citizens may also report an incident online by completing an incident reporting form at **www.deq.louisiana.gov/apps/forms/irf/forms**.

During the storm, DEQ executives, environmental scientists and communications representatives deploy to the Joint Information Center at the Governor's Office of Homeland Security and Emergency Preparedness and the Incident Command Center. Their mission is to ensure that communication is established and is accurate. Information is disseminated quickly to the general public, DEQ environmental scientists in the field, DEQ's agency partners and the media.

Environmental scientists and emergency response personnel from DEQ's Southeast Regional Office and Southwest Regional Office cover the lower coastal regions of the state and are involved in the majority of the activities

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throughout the storm, including first response. The regional offices receive tactical, logistical and personnel support from DEQ headquarters as well as DEQ's Northeast, Northwest and Capital Regional Offices to ensure that resources are aligned and personnel are available to address the storm.

The Southeast and Southwest Regional Offices have a fleet of boats that may be rapidly deployed to waterways to ensure that citizens are safe and that oil spills, hazardous materials and other environmental concerns are located.

After the storm, there are many things that need to be done in regard to safety. You will also get that information on the Get a Game plan website and on re-entry sheet on the DEQ website at **http://www.deq.louisiana.gov/portal/portals/0/news/pdf/RE-ENTRYSHEET_Q&A.pdf**.

The newest technology can certainly help you be better prepared and forewarned about situations. There is a new mobile app called Alert FM. This app functions like weather radio but has alerts from local emergency officials. It offers simple functionality. The user enters a "home" zip code upon launching the app. This connects the user with State and local emergency managers on the network. It can be downloaded from iTunes or Google Play or for more information, go to the website **http://www.alertfm.com/products/mobile-applications**. Being sure you have a functional battery powered radio is valuable.

DEQ has tools that can be used in emergencies and in hurricanes. They are the Mobile Air Monitoring Laboratory, the Mobile Command Center and boats stage around the state. A description of these units will follow this article.

Mobile Air Monitoring Lab stands ready to deploy statewide

In late 2006, DEQ increased its air monitoring capabilities throughout the state with the introduction of the Mobile Air Monitoring Laboratory, or MAML. The MAML is a high-tech 2006 Winnebago RV that has been specially outfitted with state-of-the-art air monitoring and analysis equipment. With more than 100 deployments under its belt, the MAML has played a vital role in DEQ's mission to protect human health and the environment and ensure compliance with state and federal air quality standards. At a cost of approximately $400,000 (paid for through federal and state funding), the MAML has proven to be a valuable emergency response and air monitoring resource, as it can be deployed to nearly any location in the state when air monitoring in a particular community or rural area is required or requested. The MAML's most common use is in hurricane aftermath, emergency response situations or in circumstances where a particular area needs closer air monitoring. If a site or facility is experiencing heightened or unusual air emissions issues, DEQ will deploy the MAML to that location to conduct air monitoring in an attempt to pinpoint the cause and measure the chemical content in the air.

The MAML has responded to road accidents involving a fuel spill or chemical release, train derailments and other incidents involving odor or toxic fume complaints in a community. The MAML is also deployed to support DEQ's storm/hurricane response efforts such as Hurricanes Gustav and Ike in 2008 and Hurricane Isaac in 2012. On a few occasions, the MAML has responded to long-term situations where air sampling is needed over the course of a few days to a week or more. Most recently, the lab was deployed to the Bayou Corne sinkhole in Assumption Parish to assist parish, state and federal response partners on data collection efforts. The MAML has been deployed at Bayou Corne periodically since the event first occurred in the summer of 2012. Over the years, the MAML has also been

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utilized as a valuable training tool for DEQ environmental scientists and has also been a popular attraction at high school and college science fairs and Earth Day events. The lab has also been utilized in the pre-permitting process for some facilities seeking an air permit.

The data gathered on all of the MAML's missions has been a useful tool in quickly assessing a situation so that first responders can have accurate information that will assist them in taking the appropriate action.

The MAML's unique capabilities have given DEQ greater flexibility and mobility in air monitoring within hard-to-reach areas in the state

Upon arriving at a designated location for monitoring, a gas chromatograph (outfitted with a mass selective detector) and other sampling instruments are calibrated to ensure accuracy. An antennae-like telescoping mast is raised 34 feet into the air atop the MAML to record meteorological data such as wind speed, wind direction and other meteorological conditions. In addition, a sampling cane on the MAML routes ambient (or outside) air to instruments inside the lab where the sample is then analyzed for the presence of toxic or hazardous substances. If it's needed, a tripod will also be deployed atop the MAML to gather and record levels of particulate matter in the air.

DEQ Mobile Command Center stands ready for hurricane response

When a significant environmentally related incident occurs that requires DEQ's extended presence, the agency will deploy the Mobile Command Center (MCC) to the location. DEQ's Mobile Air Monitoring Lab (MAML) may also accompany the MCC to incidents or events where the issue requires a continued presence over the course of a few days or more. A vital resource in the field, the MCC is often used as a base of operations for DEQ personnel as well as the Louisiana State Police and local responders.

Serving as DEQ's central mobile operations post, the Mobile Command Center is a 37-foot trailer outfitted with air conditioning, multiple storage compartments, dry erase walls, an on-board generator, telephone and copier/scanner/fax capabilities, wireless Internet service and several work stations. In addition, the MCC has marine, handheld and fixed radios. A stainless steel sample prep/equipment maintenance area is inside, along with a telescopic mast with a camera that feeds into a TV that is housed inside the trailer.

The MCC is shore-power capable if electrical hookups are available, eliminating idling. There is also an observation deck on the roof and a retractable awning that can be deployed to provide shade for outside work.

The MCC has been a fixture at several environmentally-related events that DEQ has participated in since its first deployment in the summer of 2008. Notably, the MCC has deployed to support DEQ's emergency response and recovery operations for events such as the BP Oil Spill in 2010, Pearl River Fish Kill in 2011, the Bayou Corne sinkhole of 2013, and numerous train derailments as well as facility emergencies.

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In late June, DEQ moved its Mobile Command Center out of the Bayou Corne area for relocation to the DEQ warehouse in Port Allen to undergo routine maintenance in preparation for hurricane season. During the tropical storm and hurricane season, the unit is often called to service at a staging or operational location for use as a mobile logistical and operational resource in support of DEQ's emergency response mission.

The Mobile Command Center serves as DEQ's operational headquarters in the field during significant environmental events

The MCC is a key part of DEQ's mission, particularly concerning events that are on a notable scale, and/or occur in remote or hard-to-reach locations.

"The MCC's Internet and phone capabilities allow the DEQ response team to communicate seamlessly as information is relayed from the incident site to concerned parties," said Bryan Riché, DEQ Emergency Response Manager.

The MCC is used as a base of operations from an information gathering and dissemination standpoint, as situation reports and press releases on an event can be prepared, reviewed and submitted. As a response headquarters for DEQ, the MCC is usually a buzz of activity particularly when the media and local, state and federal partners are on the scene.

Equipped with air conditioning, work space and a refrigerator, the MCC provides a welcome respite for field technicians and emergency response staff during hot or muggy conditions

In addition to housing the Mobile Air Monitoring Lab and the Mobile Command Unit, the Capital Regional Office also maintains a fleet of boats that are frequently used to support DEQ's emergency response and environmental monitoring functions.

In fact, each of DEQ's 6 regional offices and 2 substations maintain at least one boat, as a substantial part of DEQ's mission is centered on water sampling, water testing and emergency response functions in and around the state's waterways. Accessing those waterways is an important part of the department's goal to ensure protection of human health and the environment. For information on DEQ's emergency response mission, please visit: **http://www.deq.louisiana.gov/portal/DIVISIONS/Assessment/EmergencyResponse.aspx.**

At a warehouse just outside of Baton Rouge, the Emergency Response Section maintains a 27-foot Hanko boat that is equipped with twin 225 horsepower outboards, emergency lights, a spotlight, radar, GPS, a depthfinder and a bank of radios. The boat is also equipped with a large rear deck for use in water sampling and water monitoring operations.

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The Capital Regional Office in Baton Rouge maintains two high-speed boats in a nearby warehouse

The Southwest Regional Office in Lake Charles houses several boats as well as a high-capacity generator and an all-terrain vehicle available for rapid deployment when needs arise

Due to its close proximity to major water bodies in the state such as the Mississippi River, Lake Pontchartrain and the Gulf of Mexico, the Southeast Regional Office in New Orleans and its substation in Bayou Lafourche maintain at least eight boats that are readily available for rapid deployment in response to any environmental events that require water access. The New Orleans office houses a fleet of three Boston Whalers and a 14-foot flat bottom boat, which is used frequently for various assignments.

The office's Bayou Lafourche substation in Lockport maintains two Boston Whalers, a 17-foot Carolina skiff and a 25-foot Parker boat, as water survey operations in the region tend to be more common due to the proximity to Bayou Lafourche, Gulf waters and the associated tributaries and bayous. A majority of the office's staff is fully certified in water vessel operations, as part of a cross-training function.

The Acadiana Regional Office in Lafayette and the Southwest Regional Office in Lake Charles each house a fleet of boats. Positioned to serve parishes that border the Gulf Coast, the offices keep their fleets on standby mode, ready for deployment for storm recovery and environmental testing operations during the hurricane season.

The Northwestern Regional Office in Shreveport and the Northeastern Regional Office in Monroe also maintains a boat fleet as well as an all-terrain vehicle. While much of their operations are land-based in nature, the offices have the capability to conduct water testing and investigate environmental activities that may require access by boat.

The Kisatchie Central Regional Office, a substation of the Northwestern office, has a Boston Whaler high-speed boat and a Go-Devil boat for access into the area's swampy, low-water regions.

In addition to serving in an emergency response and storm/hurricane response role, the boats are also commonly deployed to investigate and sample for events such as discharges of oil, chemicals or hazardous materials into waterways. The vessels have also proven to be a useful tool in facility monitoring as well as assisting authorities with investigation of certain maritime incidents and natural disasters.

An active list of authorized water vessel operators is kept up to date, and refresher courses are held frequently to ensure that skills are maintained in accordance with state and federal regulations.

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IdleAir launches innovative emissions reduction plan through Truck Stop electrification

Saving money, conserving fuel, a good nights rest and reducing harmful emissions from idling are all pluses for truckers and the trucking business. Truck stop electrification accomplishes all of these goals.

"Typically, about a gallon of diesel is burned in an hour. At the low hourly rate to use the IdleAir service, truckers can now turn off their engines and immediately see the savings," said Jeff Maurer, Chief Listening Officer for IdleAir. "Our service is provided at a fraction of the cost it would take to buy gallons of fuel that will be immediately burned off just for air conditioning or heat. Also, using our service reduces engine wear and eliminates vibration and noise all while keeping pollutants from entering the air."

IdleAir, a Tennessee-based company owned by Convoy Solutions LLC, has entered the Louisiana market with a groundbreaking plan to reduce emissions while saving fuel in the trucking industry. IdleAir received a $200,000 Diesel Emissions Reductions Act (DERA) grant through DEQ to the Greater Baton Rouge Clean Cities Coalition (now Louisiana Clean Fuels) to fund their project. After receiving the grant in 2012, IdleAir undertook a 6-month configuration and build-out at Cash's Port Allen truck stop, and operations began in August 2013.

Jeff Maurer, Chief Listening Officer for IdleAir, explains the capabilities of the electrification unit

Under IdleAir's program, truckers may park, hook up to an electrical unit, pay a fee and turn on air conditioning or heat – all without the need to idle their engines for hours on end. This saves money on fuel that would be expended simply to run those conveniences.

On July 17, IdleAir held a grand opening at their latest Advanced Travel Center Electrification service center at Cash's Truck Stop off of Interstate 10 in Port Allen. The center consists of 18 spaces that offer electricity, USB and air/heat service, and 18 spaces that offer electricity-only service.

Upon arrival at the truck stop, a truck driver can pull into an IdleAir slot, turn off the engine and choose an adapter that they affix to the passenger side window. Once installed, the driver then inserts an accompanying electrical unit, connected to a large yellow hose, into the adapter. The driver then chooses a payment method on the unit's touch screen and can immediately begin using the services provided. Current cost is $2.19 an hour, plus tax, and payment options are by cash, Visa, Master Card, company card or through an IdleAir account card. For the account card, drivers can add money to the card for use at any IdleAir location throughout the U.S. A loyalty reward program, known as Convoy Points, can be earned for additional discounts and services.

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In addition to air or heat, a unique convenience drivers receive by using the unit is the ability to connect to WiFi Internet and DirecTV at a fraction of the cost it would take to receive those services through various providers. Drivers may also charge their cell phones with ease as the device also offers four outlets for 120 volt electrical service and USB ports for computers and electronics. After the first 10 hours of use, drivers can receive a price reduction through an extended stay plan for premium service.

Trucks using IdleAir connections at Cash's Truck Stop at Interstate 10 exit 151 in Port Allen

Overall, IdleAir's program is making tremendous strides to prevent health problems through the reduction of diesel emissions caused by idling trucks. Conversely, drivers taking advantage of the program are playing a key role in conserving fuel while keeping contaminants from entering the environment.

Across most truck stops in the U.S., truckers typically fuel up, then immediately jockey to find an open space in order to idle their engines so they can keep their air or heat running while they take a rest break. This not only burns diesel, it can create a parking lot traffic jam and add to wear and tear on the running engine. In addition, particulate matter and nitrogen oxide are emitted into the atmosphere, thereby negatively impacting the environment and human health through lung and respiratory problems.

IdleAir's Advanced Travel Center Electrification service eliminates all of those issues, giving drivers an organized, idle-free, money-saving and environmentally sound place to rest.

Keeping harmful emissions caused by idling out of the air is a priority for all communities. Emissions contain components such as carbon dioxide, nitrogen oxides, particulate matter, carbon monoxide and volatile organic compounds, such as formaldehyde, benzene and polycyclic aromatic hydrocarbons. A decrease in these emissions means a drastic decrease in ozone production, respiratory illnesses, asthma, bronchitis and emphysema. Plus, with cigarette smoking fairly common in the trucking community, IdleAir has added hotel-grade smoke elimination technology in their devices at each of their locations. Frequent cleaning and maintenance of the devices gives customers fresh, clean air each time they hook up. Non-smoking spaces are also available.

The EPA estimates that a typical 100-space travel plaza, with an average 66 percent occupancy rate, generates over 2,500 metric tons of emissions at that location each year from idling, burning over 240,000 gallons of diesel fuel. Last year, IdleAir's Truck Stop Electrification services nationwide offset 11,500 tons of pollutants, and more than 59 million gallons of diesel since the technology was first introduced. As truckers begin using the IdleAir hookups with greater frequency, emission rates overall will see a drastic reduction over time as word spreads and truckers become more familiar with the devices.

"In their 4 months of operation, between August and December of 2013, the IdleAir Electrification of Cash's Truck Stop kept 316.8 tons of greenhouse gases from going into the air," said Ann Shaneyfelt, Executive Director of

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Louisiana Clean Fuels who oversaw the project. "It is estimated that 3,213 gallons of diesel offset for a savings of more than $12,000 to the truckers. This is a project that benefits all involved." Port Allen marks IdleAir's first location in Louisiana, but the company has more than 35 locations across more than 12 states. So far, the response has been overwhelming and the company is seeing rapid growth as they expand into additional markets, with more than 100 locations projected nationwide over the next few years.

For more information, please visit the IdleAir website at: **www.IdleAir.com** or call **(877) 738-7024** and for more information on emissions reductions due to electrification email **info@louisianacleanfuels.org**.

Scouts in Scott take on storm drain marking project

Cub Scouts apply markers to a storm drain

The city of Scott wants to keep the waters of the state unpolluted and trash-free. In 2007, Scott established a storm water program. It was carried out through ordinances adopted to monitor and enforce protection of the system. The program's goal is to prevent unacceptable materials such as yard waste, debris and chemicals from being dumped into the storm drain system endangering local waterways and the health, safety and welfare of Scott citizens.

Marking storm drains with a medallion that has the message : "NO DUMPING – DRAINS TO BAYOU" is one way to educate the public that what goes down the storm drain goes directly into the waters of the state, untreated. DEQ sponsors the drain marking program and furnishes the markers.

While these Cub Scouts participate in many service projects, the Storm Drain Marking project was the first Pack project for conservation. For their participation, these scouts have earned the Conservation Good Turn BSA Award. Additionally, they also picked up two bags of trash in the neighborhoods while out marking the storm drains.

"Scott Mayor Purvis Morrison thought it would be good idea to promote public awareness that most storm drains empty directly into local waterways, without any treatment," said Mark Savoy, city engineer.

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Mike Daniels becomes Vice Chairman of the Southern Environmental Enforcement Network

On July 8, DEQ Criminal Enforcement Counsel Mike Daniels was named vice chairman of SEEN – Southern Environmental Enforcement Network.

The 12 SEEN states are Alabama, Arkansas, Georgia, Kentucky, Louisiana, Mississippi, North Carolina South Carolina, Tennessee, Texas and Virginia. Member law enforcement and regulatory agencies help fund a weekly newsletter and more important, training.

"The big thing about these associations is that they provide hands-on personal training. In addition to the regional association-wide training, they give each state money to do local training. So I've brought in somebody to teach our civil inspectors about verbal judo. I've brought in somebody to help our field inspectors with report writing," Daniels said. "Each state that belongs pays dues or you can direct money from civil settlements to them (SEEN) or money from criminal settlements to SEEN members. Instead of Louisiana paying dues, working with our partners at EPA CID, money has been directed from federal criminal cases to SEEN in lieu of our dues.

"So we essentially reap all the benefits of belonging to it, but no taxpayer money is spent."

Mike Daniels

Verbal judo, Daniels said, is essentially a way to de-escalate a situation verbally, because none of the inspectors are armed. "They call it verbal judo – what words to use, how to phrase it, how to not escalate a situation, how to realize somebody is agitated. Our field inspectors are sometimes by themselves and come across an irate individual. They need to know what to do. It also teaches them how to decide if 'this person is irate, you got to talk to them' or 'this person is irate, you got to retreat.'"

Daniels, who has worked at DEQ since 2009, has training-specific goals for his term as vice chairman of SEEN. "There's a board. I have been a member of the board. I am the Louisiana representative to SEEN. I will be making policy decision, planning training, approving budgets, approving expenditures, things like that.

"My goal is to make the training even better, to provide more training. Training is one of the areas that takes the harshest cuts when it comes to budget issues. My goal is to bring as much training to our staff as I can."

SEEN is one of four regional associations whose membership comprises individuals in civil inspections enforcement and criminal enforcement in some 45 states and Canadian provinces.

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DEQ offers Free Open Burning Workshops in August

DEQ is sponsoring a free workshop to assist fire departments, municipalities and the general public with understanding the air quality regulations concerning open burning. The workshop will provide a basic understanding of the regulations, as well as information on opening burning do's and don'ts. All workshops will be from 10 a.m. to noon.

These are the locations of the workshops:

Aug. 5 - New Orleans area
Jefferson Parish Library
4747 W. Napoleon Ave., Metairie, LA

Aug. 7 - Alexandria Area
Park Community Center
2450 La. 28 E., Pineville, LA

Aug. 12 - Tangipahoa Parish
Hammond Police Training Center
Conrad Anderson Street(behind the Tangipahoa Airport), Hammond

To register, go to **http://www.deq.louisiana.gov/portal/PROGRAMS/CommunityIndustryRelations/ENVIROSCHOOLRegistration.aspx**. For more information, call Linda Hardy at **(225) 219-3954** or email *Linda.Hardy@la.gov*.

DEQ On The Move

The Louisiana Rural Water Association held its 29th Annual Conference in Lake Charles in July. DEQ provided speakers and had a booth. DEQ Staff, Jeff Jackson, Marissa Jimenez, front, and John Jennings and Tiffani Cravens, back, manned the DEQ booth at the LWRA Conference.

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Who's Who At DEQ?

Zachary Ardoin – Clean Water Revolving Fund Engineer – Office of the Secretary

Ardoin is an engineer in the Clean Water Revolving Fund section of the Business and Community Outreach and Incentives Division

Ardoin graduated from the University of Louisiana in Lafayette with a degree in civil engineering and a minor in mathematics.

Glen Jenkins – Air Field Services - Office of Environmental Compliance

Jenkins graduated from Northeast Louisiana University(now the University of Louisiana Monroe(ULM)) with a Bachelor of Science degree in toxicology and a minor in chemistry. Jenkins has worked with DEQ since January 2000 working with the air toxics PAMS monitoring program. He maintains several Photochemical Assessment Monitoring Stations (PAMS) and oversees the operation of the Mobile Air Monitoring Laboratory (MAML).

Jenkins was recently promoted to Supervisor in Air Field Services/Air Toxics and PAMS Monitoring.

Brad Schexnayder – Office of Environmental Compliance

Schexnayder has been with DEQ for more than 12 years in the radiation licensing section at headquarters. He has recently been promoted to Supervisor of the Chemical Accident Prevention Plan/Radiological Emergency Planning & Response/Single Point Of Contact Section(CAPP/REPR/SPOC Section).

Schexnayder has a Bachelor of Science degree from Southeasten Louisiana University.

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Louisiana Department Of Environmental Quality's First Quarter Summaries

1st Quarter 2014 Enforcement Actions:
http://www.deq.louisiana.gov/portal/DIVISIONS/Enforcement/EnforcementActions.aspx

1st Quarter 2014 Settlement Agreements:
http://www.deq.louisiana.gov/portal/DIVISIONS/Enforcement/SettlementAgreements.aspx

1st Quarter 2014 Air Permits:
http://www.deq.louisiana.gov/portal/tabid/2922/Default.aspx

1st Quarter 2014 Water Permits:
http://www.deq.louisiana.gov/portal/tabid/2899/Default.aspx

1st Quarter 2014 Solid and Hazardous Waste Permits:
http://www.deq.louisiana.gov/portal/divisions/wastepermits.aspx