DEQ
LOUISIANA

2013 ANNUAL REPORT

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

WWW.DEQ.LOUISIANA.GOV

Table Of Contents

Message from the Secretary 3

EPA's Advance Program makes sense for communities all across Louisiana 4-5

DEQ MAML on the move 6

DEQ administers Clean Water State Revolving Fund loan program 7

DEQ actively participates in water quality initiatives 8-10

DEQ Resources 11-12

DEQ's mission during hurricanes and tropical storms 13-14

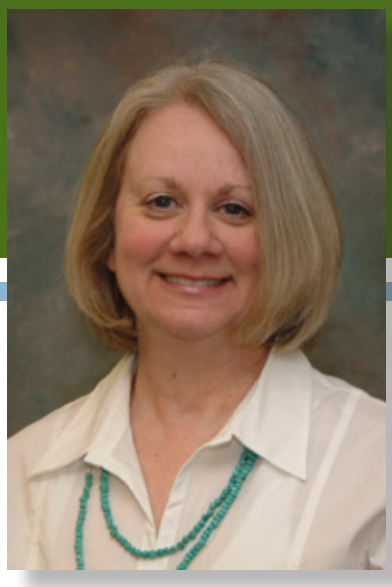
DEQ's participates in 2013 Louisiana offshore oil port drill 15-16

Year In Review - Criminal Investigations Division 17-21

Spotlight 22-32

Appendix 33-44

Message from the Secretary



DEQ Secretary Peggy Hatch

As the Louisiana Department of Environmental Quality embarks on a new fiscal year, I want to take this opportunity to commend the staff on their work ethic and continued dedication to serving the citizens of Louisiana. Our employees are our most valuable resource in addressing the economic and environmental challenges that lie ahead.

DEQ's emergency response teams deployed quickly to many environmental events this past year. DEQ responded to air releases, rail and roadway accidents involving spilled hazardous materials, fish kills, refinery upsets, a hurricane and a facility explosion. In these incidents, we deployed environmental scientists and emergency response personnel to ensure that human health and the environment were protected throughout the emergency response phase and beyond. In many instances, it has been necessary to send our Mobile Air Monitoring Lab and Mobile Command Center to the location. DEQ partnered with other state agencies, local governments and federal agencies to address environmental concerns as quickly and safely as possible. The experience and expertise of DEQ's technical and support staff, from Baton Rouge to the six regional offices and two substations across the state, has allowed us to manage effectively emergency situations while minimizing potential health and environmental impacts.

Rebuilding the state's waste water infrastructure and assisting small communities remains a top priority at DEQ. In March, through the Clean Water State Revolving Loan Fund, we awarded a $45 million loan to the city of Baton Rouge for improvements to the city's wastewater treatment infrastructure. Community outreach and below market loan rates have assisted Louisiana municipalities to operate structurally sound sewage systems.

On the enforcement side, DEQ's Criminal Investigation Division continues to make substantial inroads in deterring environmental crimes across the state. Arrests, hefty fines and jail time have been necessary in order to put an end to permit violations, illegal dumping, illegal discharges of waste, fraud and other illegal activities.

Community and business growth is as strong as ever, and the department continues to work with the Louisiana Department of Economic Development to facilitate business retention, expansion and job creation. As new businesses look to Louisiana for opportunities, innovations (such as online permit applications), expedited permits, general permits for certain facilities and online fee paying have helped to streamline the procedures that facilities use to conduct business in the state.

Additionally, DEQ has updated its website and online services to be more user-friendly and helpful to all stakeholders including business, industry, municipalities and communities. With a few keystrokes, anyone can go online to file a complaint, make a suggestion, search DEQ's public records through the Electronic Data Management System or check their local or regional air quality.

This annual report provides an overview of DEQ's structure and responsibility, while highlighting a few of the principal tasks we have undertaken over this past fiscal year. Thank you for taking a few minutes from your busy schedule to learn more about your DEQ.

Sincerely,
Peggy Hatch, Secretary

EPA's Advance Program makes sense for communities all across Louisiana

The US Environmental Protection Agency (EPA) regulates the most common air pollutants. It is required by Congress and the Clean Air Act to continually look at new health study information to determine safe levels of these pollutants and where to set their air quality standards. These levels are based upon protection of the most sensitive members of the population, including children, the elderly, and people with impaired lung function. EPA is required to re-evaluate their standards every five years. With more stringent standards, trying to meet them is like trying to get under a limbo bar - when EPA lowers a standard, it actually becomes more difficult to meet, even though local air quality may be continuing to improve.

The standard for ozone was lowered in 2008 to 75 parts per billion, which left the Greater Baton Rouge area, East and West Baton Rouge, Iberville, Ascension and Livingston parishes, out of attainment for ozone. "Attainment" means that an area is officially recognized by EPA as meeting a standard, while "nonattainment" means that EPA has officially determined that an area is not meeting a standard. Nonattainment status brings increased regulation and federal emissions requirements. EPA is in the process of re-evaluating the standard again with the possibility of lowering the ozone standard even further by the end of this year. A lowered standard set at 65 parts per billion or lower would put many metropolitan areas of Louisiana out of attainment, as well as most of the rest of the country.

In the Spring of 2012, EPA instituted the Advance Program to help possibly affected areas get a head start on reducing pollution. When the Ozone Advance Program was first announced, DEQ recognized the importance of having the various areas of the state become more involved in air quality concerns. DEQ saw the Ozone Advance Program as a way to continue agency efforts from 2008 when we had formed a stakeholder Statewide Ozone Steering Committee and went around the state talking about ozone and air quality.

DEQ began by contacting the eight Statewide Planning Districts and set up regional meetings. Within a month, meetings were held in Lake Charles, Shreveport, New Orleans, Lafourche-Terrebonne, Baton Rouge and Lafayette. DEQ selected these areas because they were the closest to becoming nonattainment. A number of follow-up meetings have been held in Houma, Baton Rouge, Shreveport and Lafayette.

Along the way, EPA expanded the program to include fine particle pollution, PM2.5. Now the program is known as the Advance Program. The Lake Charles area was the first in the nation to sign up for the PM2.5 part of the program and other areas are following suit. Lake Charles, Baton Rouge and Houma-Thibodaux areas have made application to include PM2.5. Being a part of this effort makes sense because many local emission reduction projects can lower both pollutants.

The goal of the Advance Program is to encourage areas to institute voluntary and/or regulatory projects to track their progress and be able to show EPA that they are working proactively toward reducing the levels of these pollutants in the atmosphere. There is no cost to join, and the only requirement is submission of an annual report that documents the progress of the area. The hope is that EPA can take all of this information into account when it makes designations or re-designations of nonattainment.

DEQ is working on an air modeling project that will provide these areas with a preliminary assessment of the sources of their pollutants, and then they can

move forward to design strategies to address those sources. Information gained from that modeling will be an integral part of the first year reports that the areas will provide to EPA. By joining the EPA's Advance Program, local areas can build a framework to catalog existing local emission reduction projects and determine the environmental improvements that will come from them. This will allow the areas to plan ahead, using DEQ data, to select strategies that will be most cost effective and provide them with the greatest amount of air quality improvements.

DEQ has undertaken an effort that will give local areas some ideas about what is causing the ozone and PM 2.5 to form in their community. Whether increased pollution levels stem from traffic, construction/farming or small businesses like bakeries or body shops, each area of the state will be unique. Once the pollution sources are identified, areas will take their own approaches to making voluntary emission reductions to avoid noncompliance. One approach may be implementing building code changes that improve home energy efficiency. This step, and other projects to conserve energy, will reduce the need for electric cooperatives to produce power, reduce pollutants and decrease electric bills. Another step could be upgrading lawn and garden power equipment from 2-cycle to 4-cycle engines. This can dramatically improve air quality and save on fuel costs. Local anti-idling ordinances, improving traffic flow and performing fleet conversions (that switch fuels from gasoline or diesel to natural gas) will also cut back on those pollutants that form ozone.

Once an area is declared to be nonattainment, it is difficult to get back into attainment. A nonattainment designation can trigger economic issues. Business and industry must meet a more extensive and expensive environmental permitting process. These costs, which are eventually passed down to consumers, can deter new business development.

While planning at the governmental and regional level is extremely important, it is up to us as individuals to recognize the importance of personal decisions in reducing air pollution. Taking steps at home or work

DEQ Environmental Scientists Vivian Aucoin and Mike Vince present information on the Advance Program in Monroe.

to lower energy usage, combining trips to reduce pollutants from vehicles and being aware of the air quality are important steps. Staying informed about current air quality conditions on your computer or smartphone is as easy as subscribing to a free service that DEQ provides called EnviroFlash (www.deq.louisiana.gov/enviroflash). Visit DEQ's website for more Action Day Tips. To find out more about the Advance Program and to see the current air quality information, go to www.deq.louisiana.gov/portal/programs/air.aspx.

The Mobile Air Monitoring Lab, or MAML, can be deployed on short notice to gather air samples at a given location.

DEQ MAML on the move

The DEQ Mobile Air Monitoring Laboratory was added to the DEQ monitoring capabilities in 2006 and has subsequently been deployed to many events. The vehicle, a 2006 Winnebago, is a self-contained mobile laboratory capable of real-time sampling and analysis. It is outfitted with monitoring equipment designed to measure numerous air pollutants and provides the department with instant on-site data.

The MAML cost approximately $400,000 and was paid for using federal and state funds. It is equipped with a gas chromatograph capable of sampling for hundreds of organic compounds. The mobile lab can monitor for the criteria air pollutants ozone, particulate matter, carbon monoxide, nitrogen oxides, and sulfur dioxide. Because of the concerns about mercury in the environment, the mobile lab also has a mercury analyzer. The MAML can also monitor for hydrogen sulfide.

During the last fiscal year, the MAML has been deployed to different areas of the state to help with monitoring air quality. From December 2012 to the present, the MAML has gone to the Chalmette area 23 times to monitor for sulfur dioxide (SO2). When Hurricane Isaac struck Louisiana, the MAML was in Braithwaite, monitoring the air. The MAML has been at Bayou Corne to monitor the sinkhole and also deployed to the William Olefins plant in Geismar to monitor the air after the recent explosion.

DEQ air-monitoring capabilities are enhanced through the use of the high-tech mobile laboratory. The advanced air-monitoring equipment provides the department with real-time data wherever the MAML is located.

DEQ administers Clean Water State Revolving Fund loan program

Louisiana's Clean Water State Revolving Fund loan program, administered by DEQ, offers low-interest loans to communities for construction of waste water treatment works and water quality improvement projects. The program was created by the Clean Water Act Amendments of 1987.

Since the inception of the program, DEQ has made 189 loans for more than $767 million. During the state's Fiscal Year 2013, over $88 million was loaned to 11 communities across the state for much needed infrastructure repair and upgrades. The CWSRF loan program continues to generate funds and finance new projects at a below market interest rate of 0.95 percent.

"All CWSRF loan fund projects ultimately improve water quality and open up economic development opportunities," said DEQ Deputy Secretary Alex Appeaning.

The city of Baton Rouge, East Baton Rouge Parish, was the recipient of $45 million in funding under the Clean Water State Revolving Fund and DEQ. Funding was allocated on July 9, 2012, with 0.95 percent interest on a 20 year payback term, plus two years for construction time.

The funding will cover a proposed sewer upgrade project. This project entails the repair of leaking and broken sewer collection lines and the construction of the Choctaw Sewer Collection Maintenance Facility, which will consolidate several operational facilities within the sewer system. The project will also make improvements at the North Wastewater Treatment Plant by retrofitting the boiler system for the utilization of produced biogas in order to lower the consumption of purchased natural gas. That will decrease the amount of methane flared from the system, thereby reducing emissions.

"The Clean Water State Revolving Fund supports DEQ's mission of improving wastewater treatment systems and green infrastructure projects across the state," said DEQ Secretary Peggy Hatch. "This funding will greatly improve the quality of life for the residents and commercial property owners who are served through this sewage network in East Baton Rouge Parish."

DEQ Secretary Peggy Hatch (second from left) presents a check to Mayor-President Kip Holden (second from right).

Baton Rouge Mayor-President Kip Holden accepted the $45 million check in a ceremony at City Hall. "This low-cost loan is the result of our continuing efforts to rehabilitate the sewer system," Mayor Holden said.

Like the conventional bond issues that are being used for the sewer system revamp, the loan obtained through DEQ will be paid back with revenues from monthly sewer fees and the half-cent sales tax dedicated to sewer improvements.

To find out more about the CWSRF loan program and funding opportunities, visit the DEQ website at: www.deq.louisiana.gov/CWSRF.

DEQ actively participates in water quality initiatives

The state of Louisiana has over 1,684 square miles of lakes, approximately 7,656 square miles of estuaries, 8,673 square miles of wetlands and 66,294 miles of rivers, as well as a significant coastal area along the Gulf of Mexico. The history and culture of Louisiana are closely tied to these waters and wetlands.

The state is committed to protecting and improving its water resources, including surface and ground waters, for present and future generations. Louisiana's coastal and inland waters are utilized for recreational and commercial fisheries, oil and gas production, transportation, forestry and agriculture. DEQ is working with other state and federal agencies on comprehensive strategies to protect, improve, and restore Louisiana's water quality.

Louisiana Nutrient Management Strategy Team

One example of this cooperative effort is the Louisiana Nutrient Management Strategy Team. Louisiana agencies are working together on a comprehensive nutrient management strategy for the state. The interagency team is comprised of members of DEQ, the Louisiana Department of Agriculture and Forestry (LDAF), the Louisiana Department of Natural Resources (LDNR) and the Coastal Protection and Restoration Authority (CPRA). The team is developing and implementing a statewide nutrient management strategy to address nutrient issues impacting water bodies within the state with the goal of protecting, improving, and restoring nutrient water quality within Louisiana's water bodies.

These agencies all work on aspects of nutrient management including water quality monitoring, point source wetland assimilation, coastal river diversions, and best management and conservation practices. Nutrients such as nitrogen and phosphorus in rivers, lakes, and estuaries need to be managed in order to protect, improve, and restore the quality of local water bodies within the state of Louisiana. Additionally, local water body projects within Louisiana, along with projects in states along the upper Mississippi/Atchafalaya River Basin (MARB), could help to improve conditions in the Gulf of Mexico where a seasonal hypoxic zone forms in the summer. This is due to physical conditions such as temperature and salinity as well as increased nutrient loading within water bodies of the MARB.

The agencies are evaluating current programs such as nonpoint source pollution prevention in inland and coastal waters, coastal river diversions, and Louisiana Master Farmer Certifications. Monitoring within these programs may also provide baseline information to help determine appropriate nutrient water quality levels in Louisiana water bodies and remedies that would be most effective for areas that are considered nutrient-rich, nutrient-starved, or nutrient-balanced.

Key to the Nutrient Management Strategy will be participation of stakeholders through voluntary, incentive-based approaches. The strategy will employ methods for pollution control and nutrient capture with the goal of improving, protecting, and restoring the nutrient water quality of water bodies within Louisiana.

The team identified ten strategic components for the Louisiana Nutrient Management strategy. They are:

1. Stakeholder engagement
2. Decision support tools
3. Regulations, policies and programs
4. Management practices and restoration activities
5. Status and trends
6. Watershed characterization, source identification and prioritization

7. Incentives, funding and economic impact analysis
8. Targets and goals
9. Monitoring
10. Reporting

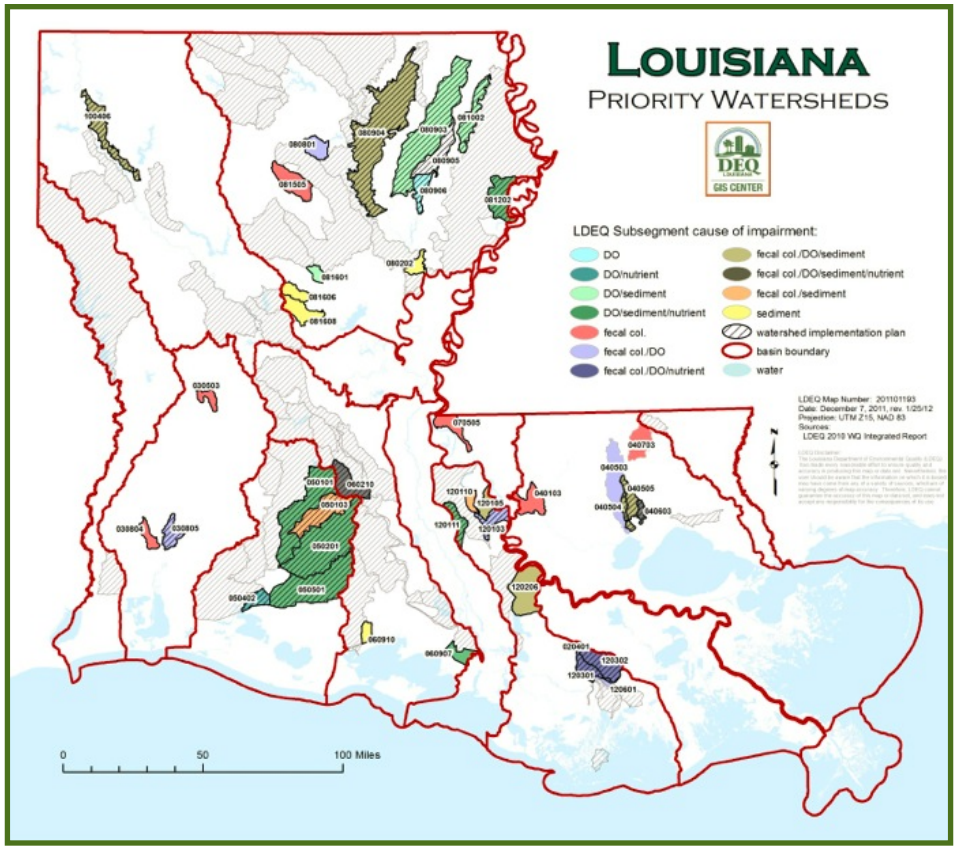
An essential component of this development process is stakeholder engagement. Members of the watershed community provide feedback on what they think should be included in a strategy that will address nutrients such as nitrogen and phosphorus locally within water bodies of the state and the Gulf of Mexico. In late 2012, the team identified key stakeholder groups. These include those representing agriculture, business, industry, coastal, non-governmental organizations, and academia. The team engaged stakeholders from November 2012 to June 2013 through various methods such as facilitated discussions and presentations at regional conferences. Additionally, web-based surveys were available to all stakeholders in the watershed community as a way to capture input.

The team is now compiling stakeholder input and incorporating it into the strategy. The final draft strategy will be ready by the end of 2013. For more information on the Louisiana Nutrient Management Strategy, please visit the website: www.lanutrientmanagement.org.

Hypoxia Task Force

Another example of agency cooperation is the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force. Known as the Hypoxia Task Force, it addresses the causes of the Gulf of Mexico seasonal hypoxic zone. The purpose of the task force is to raise public awareness of issues in the Mississippi River Basin and Gulf of Mexico. The task force coordinates with other key stakeholders such as the Gulf of Mexico Alliance (GOMA) and Big River Works. Goals will be accomplished through an informal workgroup chaired by the U.S. Environmental Protection Agency with public affairs representatives from interested agencies/states.

The task force includes federal and state agencies and the tribes within the MARB. There are twelve state members which are primarily states along the Mississippi River. The members are Iowa, Minnesota, Indiana, Illinois, Wisconsin, Mississippi, Missouri,



Kentucky, Tennessee, Arkansas, Ohio and Louisiana. Federal agencies include those with responsibilities over activities in the Mississippi River and its basin, and the Gulf of Mexico. The role of the task force is to provide executive level direction and support for coordinating the actions of participating organizations working on nutrient management within the Mississippi River/Gulf of Mexico watershed.

The hypoxic zone (an area experiencing seasonally low dissolved oxygen typically less than 2 parts per million) in the Gulf of Mexico forms every summer and is the result of seasonal layering of the waters of the Gulf and excess nutrients entering from the Mississippi. These nutrients come from many sources, including fertilizers from agriculture, erosion of soil full of nutrients, discharges from sewer treatment facilities and deposition of atmospheric nitrogen. For more information on the task force, please visit the website: http://water.epa.gov/type/watersheds/named/msbasin/index.cfm.

Gulf of Mexico Alliance (GOMA)

DEQ actively participates in the Gulf of Mexico Alliance. GOMA is composed of state and federal agencies and other partners and includes the five Gulf states of Alabama, Florida, Louisiana, Mississippi, and Texas. The goal of GOMA is to increase regional collaboration to enhance the ecological and economic health of the Gulf of Mexico. Six priority issue areas have been identified: water quality, habitat conservation and restoration, ecosystems and assessment, nutrient and nutrient impacts, coastal community resilience, and environmental education and outreach. DEQ is actively involved in the water quality and nutrient impact priority issue teams. Other Louisiana state agencies such as DNR, DWF, and CPRA participate on priority issue teams as well. For more information on GOMA, please visit the website http://www.gulfofmexicoalliance.org/index.php.

DEQ Nonpoint Source Pollution Prevention Group

The DEQ Nonpoint Source Program (NPS) works to improve the waters of the state by identifying sources of pollution that run off the land. Nonpoint source pollution is any pollutant that runs off the land from our yards, farms, forests, streets and parking lots throughout the watersheds. Examples are: sediment, fertilizers, pesticides, oil, metals, litter and bacteria. The group works with watershed coordinators and monitors the water runoff in order to reduce pollution that flows into Louisiana waterways.

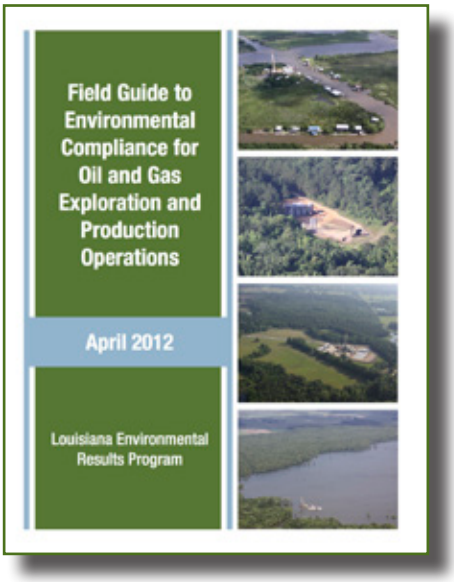
The challenge of the NPS program is to protect and restore water quality, while ensuring private and public lands are managed in a sustainable manner. Management of the state's natural resources relies on many partners, who benefit from Louisiana's healthy environment. Even though water is an integral component of life and valued by the people who live in Louisiana, water quality is not fully meeting goals of the Clean Water Act (CWA). This means that designated uses for fishing and swimming are not fully met. The efforts of the NPS, and the other involved state and federal partners, are to correct the impairments and restore Louisiana's water bodies to their primary use.

One component of these efforts includes working with watershed coordinators around the state. There are eight designated watersheds in the state: Calcasieu River Basin, Barataria River Basin, Terrebonne River Basin, Lake Pontchartrain River Basin, Mermentau River Basin, Ouachita River Basin, Red River Basin and Vermilion-Teche River Basin. If you are interested in finding out who your watershed coordinator is, how you can help improve your watershed, or other important nonpoint source information, go to www.deq.louisiana.gov/watershed.

All of these efforts and more are geared toward improving one of Louisiana's greatest treasures and resources, our water. Everyone can be part of the solution.

DEQ Resources

DEQ provides resources and tools, hard copy and online, to citizens, industry and local governments to help them comply with environmental regulations.



Field Guide to Environmental Compliance

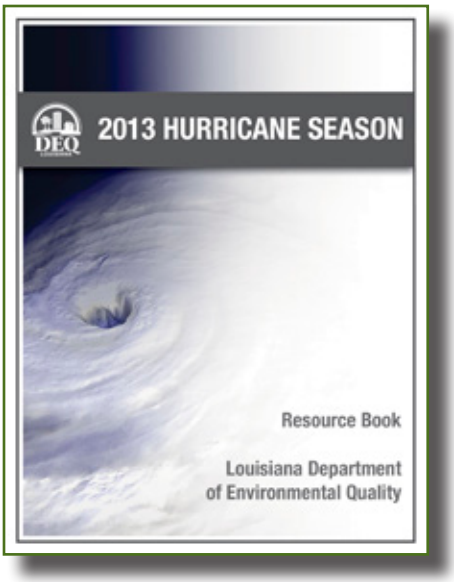
One of these tools for industry is the Field Guide to Environmental Compliance. State and local agencies have worked closely with the oil and gas industry to produce the Field Guide to Environmental Compliance for the Oil and Gas Industry. With this business sector growing, environmental regulations changing and environmental technology expanding, the field guide is designed to help industry officials better understand the complexity of environmental regulations and create a better understanding of which regulations are applicable for certain business practices.

The field guide is just one part of the Environmental Results Program (ERP) that was implemented in 2008 in conjunction with the U.S. Environmental Protection Agency and the Louisiana Department of Natural Resources. The goals for the program included in-depth inspections to create a baseline for compliance with environmental regulations, and implementing innovative compliance assistance programs.

DEQ began conducting baseline inspections of oil and gas facilities in 2009. The 2011 follow-up inspections showed a 16.9 percent compliance rate increase with air quality regulations and a 22.8 percent increase in facilities having the required permit as opposed to operating without a permit. Compliance with water regulations increased 11.7 percent, while those operating with the necessary permits increased 10 percent.

The guide has been a useful tool for industry and the DEQ final report on the program states: “Increased industry compliance rates after application of the compliance assistance tools developed within the ERP indicate that the approach was successful. However, it cannot be determined with certainty whether any one tool was more significant than another in achieving program goals. It is probable that no one tool alone can be credited. Rather the entire program of outreach, face-to-face workshops, the Field Guide development process, and web-based air and water permit applications is responsible.”

The Field Guide can be accessed online at http://www.deq.louisiana.gov/portal/PROGRAMS/EnvironmentalResultsProgram.aspx.



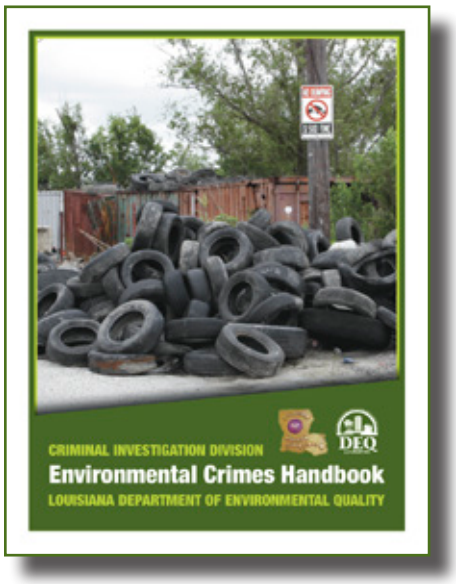
Hurricane Response Guide

In another move to help local governments and emergency responders, DEQ recently distributed a Hurricane Resource Manual to all 64 parishes. DEQ compiles the manual, which contains information on all phases of hurricane response. The manual is hand-delivered to parish officials and the emergency contact person for each parish. DEQ regional office responders deliver the manual and meet with officials to explain the resources. This manual is a valuable tool, particularly in the case of power outages, when information cannot be accessed online. The resource manual is also posted online at http://www.deq.louisiana.gov/portal/NEWS/HurricanePreparedness/ParishResourceBook.aspx.

The manual contains vital information such as:

- Pre-approved debris sites and locations
- How to add a debris site
- The DEQ Debris Management Plan
- An example of the Declaration of Emergency
- An example of a general permit and a short term general permit
- A list of sanitary waste water treatment facilities
- An example of an incident action plan (IAP)
- Re-entry information
- Re-entry points
- A list of who to contact at DEQ
- An example of a variance application

This information is updated yearly and has proven to be essential in facilitating a quick and efficient recovery.



Environmental Crimes Handbook

In an effort to help investigators, police and the public, DEQ Criminal Investigation Division has put together an Environmental Crimes Handbook. While the handbook does not profess to answer all questions, it will provide guidance to law enforcement confronted with a possible environmental crime. It is available for the public at http://www.deq.louisiana.gov/portal/Portals/0/Legal/cis/CID%20Environmental%20Crimes%20Handbook%202012.10.03.pdf.

The handbook outlines the types of incidents that could be illegal, such as dumping, open burning or discharging. It also lists the criminal provisions that apply, along with the penalties. DEQ-CID is always willing to assist law enforcement and the public.

DEQ constantly strives to provide information and assistance to help industry, the public and local governments better protect the environment.

DEQ maintains several boats that are available for rapid deployment to areas hit hard by flooding or to areas accessible only by water.

DEQ's mission during hurricanes and tropical storms

In the event of a tropical storm or hurricane, DEQ has a wide range of responsibilities before, during and after the event.

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 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.

Proper emergency procedures instituted before the storms can significantly reduce most storm related problems. Early preparations by industry leaders, political leaders, law enforcement, utility services and the public may help increase safety and reduce the potential for extensive environmental harm. If affected

parishes eliminate dangerous and environmentally detrimental issues, it allows DEQ and other state, federal and local agencies to make better use of their resources.

Orphaned drums are a common problem during and after storms. Many drums contain hazardous materials that can leak into groundwater. In the wake of Hurricanes Katrina and Rita, DEQ and its state, local and federal partners recovered more than six million orphaned drums, so proper storing is essential. Before a storm, DEQ staff contacts all potentially affected industry and government entities in order to offer assistance and check on preparedness.

Storms entering the Gulf give the state time to prepare, so it is important to use that time wisely to ensure safety for all. If evacuating, make sure you have secured any items that could cause damage due to high winds or water. Industry leaders should have emergency plans on standby to prevent any spills and prevent putting employees in harm's way.

Pre-storm planning is the key to ensuring that the recovery is efficient.

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

- Go online to: www.getagameplan.org for information about planning and safety.
- Ensure drums and containers are secured and in a safe location.
- Ensure that safety measures are in place and personnel are informed about the safe operation and securing of wastewater treatment systems.
- 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 documentation, pets, supplies, batteries, clothing, road maps and gas.
- Keep a radio on hand with backup batteries in order to receive storm updates and recovery information.
- Keep important phone numbers written down.

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: http://www.deq.louisiana.gov/apps/forms/irf/forms/.

Skimmers collect oil along the surface during a cleanup demonstration.

DEQ participates in 2013 Louisiana offshore oil port drill

On May 16, personnel from the Louisiana Department of Environmental Quality gathered with other agencies in the Civic Center in Larose. Representatives from the U.S. Coast Guard, the Louisiana Oil Spill Coordinators office, the Governor's Office of Homeland Security and Emergency Preparedness, the Louisiana Offshore Terminal Authority, the Lafourche Parish Sheriff's Office and the Greater Lafourche Port Commission joined DEQ in an oil spill drill conducted by the Louisiana Offshore Oil Port (LOOP), LLC.

LOOP, LLC. is a company tasked with ensuring the safe offloading of foreign crude oil from tankers, proper storage of the oil and the subsequent transportation of the oil through connecting pipelines to refineries throughout the U.S. Gulf Coast and Midwest. As a component of their mission, LOOP holds an annual drill which is designed to bring multiple agencies and resources together as a way to test LOOP's responsiveness regarding a sudden oil spill-related incident. After introductions and a safety briefing, the exercise was initiated at approximately 8:15 a.m.

This year's exercise was unique because it involved addressing two scenarios, occurring simultaneously. The first scenario involved a drain line being cut after a component failed on a crane during routine painting work on a vessel. This resulted in a spill of thousands of barrels of crude oil into a state waterway. The second scenario involved the breach of a floating gate by a tugboat en route to respond to the oil spill. Participants worked throughout the day to address the scenarios. They marshalled resources to contain the release, protect the environment, and ensure personnel safety. They provided the media and public with current information regarding the status of the event.

There are a variety of skimmers that can be deployed during the oil cleanup phase.

DEQ Environmental Scientist Jeff Dauzat confers with Unified Command Group representatives during the drill.

The cooperative effort enabled the participants to interact in a face-to-face environment. The participating parties worked in conjunction to review and assess status reports for a unified response. The goal was to make quick, sound decisions that would minimize the environmental impact by containing the oil spill and addressing any potential health and safety issues associated with the spill.

In the wake of the 2010 BP Deepwater Horizon oil spill in the Gulf of Mexico, drills such as LOOP are important as precautionary and pre-planning measures. Drills train the participants in gathering environmental protection resources and initiating a comprehensive response plan.

"These annual drills serve as a vital training tool that provides an educational resource in conjunction with a real-time evaluation of the effectiveness of responding agencies and organizations as they work together to address a significant oil spill," said Jeff Dauzat, DEQ Environmental Scientist. "DEQ's role is to ensure the spill is quickly contained as we work to mitigate potential health and environmental impacts while providing technical support to the Louisiana Oil Spill Coordinator's Office throughout the response, cleanup and post-cleanup phase."

DEQ's Communications staff participated in several media briefings and exchanged status reports concerning DEQ's involvement in the containment and recovery process. An on-camera mock press conference was held and agency spokesmen fielded questions from a gallery of participants acting as news reporters.

The exercise concluded with general comments and an opportunity for spectators and participants to voice strengths and weaknesses of the drill and to make suggestions that could be incorporated into future drills.

DEQ-CID investigates illegal dumping of waste tire piles and ensures a commitment for cleanup and proper disposal by the responsible party or land owner.

Year In Review – Criminal Investigations Division

Throughout the 2012-2013 fiscal year, DEQ's Criminal Investigation Division has been very active. It partners with the EPA as well as local, parish, state and federal law enforcement authorities in its mission to investigate and prosecute environmental crimes.

CID conducts investigations into criminal or potentially criminal environmentally based activities. Each investigation is unique in nature. CID often coordinates with local law enforcement and the district attorney in order to conduct a comprehensive investigation and ensure cleanup of the affected environment.

"DEQ's Criminal Investigations Division, the EPA and local and state law enforcement agencies have continued to build upon their close partnerships to eradicate environmental criminal activities within Louisiana," said Peggy Hatch, DEQ Secretary. "Protecting Louisiana's unique environment is the top priority, and our investigative functions support an aggressive prosecution of environmental crimes and related illegal activities."

CID investigated 27 cases over the 2012-2013 fiscal year. In addition, 26 defendants were prosecuted, which resulted in guilty pleas, major criminal fines and either incarceration or probation.

Examples of recent high-profile cases

Mandeville-based oil company pleads guilty to illegal discharges in state waters

In April 2013, Carr William Brown of Vidalia pled guilty to the illegal discharges of pollutants into state waters in Cameron Parish. Brown, an employee of Mandeville-based T&F Oil Company, along with

his brother, Lobdell Percy Brown, the owner of T&F Oil, were indicted on Oct. 21, 2011, by a Cameron Parish grand jury as a result of two willful and illegal discharges of oil and chlorides into the waters of the state, plus five additional unreported spills from sites located in the Little Chenier oilfield in Cameron Parish. Carr Brown dumped oilfield wastes from a production facility owned and operated by T&F Oil into Little Chenier. The waste contained oil and produced water. The discharges were in violation of the Louisiana Pollutant Discharge Elimination System. Following the indictment, a warrant was issued for their arrest.

For his part in the illegal discharges and unreported spills, Carr Brown was sentenced to three years of probation and a $5,000 criminal fine.

In December 2012, Lobdell Percy Brown pled guilty and was placed on bench probation for a total of six years. As a result of his plea, Lobdell Brown paid $11,080 to DEQ's Environmental Trust Fund for the cost of the investigation. Brown will be due reimbursement of up to half of this amount when money is paid by related defendant, Carr Brown. In addition, Lobdell Brown paid a criminal fine of $15,000, plus restitution as determined in a companion civil enforcement action currently in process. As a condition of his probation, he is to pay $50,000 into the registry of the Court. This is a down payment of his pro rata share of the clean up and the pro rata share of the clean up attributed to T&F Oil Company while he owned and controlled the company. Lobdell Brown was ordered to pay all court costs imposed by the Court, plus additional fees imposed by the Clerk of Court. He is subject to imprisonment of up to six years in jail if he violates his probation.

The pleas were the result of an investigation conducted by DEQ-CID and the Louisiana Environmental Crimes Task Force. The case was prosecuted by the Louisiana Attorney General's office.

Evangeline Parish man arrested for alleged illegal burning of waste tires

In March 2013, investigators with DEQ-CID arrested an Evangeline Parish man for the alleged illegal burning of waste tires. Officers with the Basile Police Department originally responded to a burning complaint on March 8 at 2348 Guillory Street in Basile. The findings of that investigation were forwarded to DEQ-CID which led to the arrest. Leroy Hardy of Basile is alleged to have knowingly dumped and burned waste tires and other solid wastes at his residence. Hardy was previously cited in a compliance order issued by DEQ in March of 2012 for similar violations that occurred in February and August of 2011. The Evangeline Parish Sheriff's Office also participated in Hardy's arrest. If convicted of the crime, Hardy faces possible imprisonment for not more than 10 years with or without hard labor, or a fine of not more than $100,000, or both.

Jefferson Parish man pleads guilty to submitting false records to DEQ

In March 2013, Marc Victoriano of Marrero, pled guilty in 19th Judicial District Court to knowingly making a false representation on a form filed with DEQ. Victoriano is the operator of Professional Safety Consultants, an asbestos abatement training provider. In 2009, Victoriano knowingly prepared asbestos course forms that misrepresented the number of accredited instructors teaching asbestos training courses. DEQ regulations require that two or more accredited instructors must be listed for each asbestos training course. Victoriano knowingly submitted the false forms to DEQ in Baton Rouge with the name of an instructor who was out of the state on the dates the classes were taught. DEQ-CID investigators arrested Victoriano for submitting false documents to DEQ in April 2010. As a result, Victoriano was sentenced to 12 months of probation, ordered to pay $3,040.00 to DEQ for the costs of its investigation, perform 30 hours of community service, and ordered to pay a $100 fine. The case was prosecuted by East Baton Rouge Parish District Attorney Hillar Moore's office.

East Baton Rouge Parish man arrested for alleged illegal dumping of gasoline and diesel

In March 2013, DEQ-CID investigators arrested an East Baton Rouge Parish man for the alleged illegal dumping of gasoline and diesel. Leon Wallace of Zachary is alleged to have dumped an unknown amount of diesel and gasoline at the Super Lucky Louie Casino at 1256 Hwy 190 in Port Allen. Wallace drove a tanker truck for ACM Transportation located in Denham Springs at the time of the incident. While loading gasoline and diesel on the night of Jan. 25, 2013, Wallace allegedly mixed several hundred gallons of diesel with several thousand gallons of gasoline that was already being held in his tanker truck. Because of the error, Wallace then drove to the Super Lucky Louie Casino and discharged an unknown portion of the gasoline and diesel mixture at the rear of the facility.

If convicted of the crime of knowingly discharging a substance that endangers or that could endanger human life or health, Wallace faces possible imprisonment for not more than 10 years with or without hard labor, or a fine of not more than $100,000, or both.

Calcasieu Parish man sentenced in waste tire burning case

In December 2012, a Sulphur man pled guilty to one felony count of illegally disposing of a substance that could endanger human health. Dwayne Conner pled guilty to knowingly burning a large pile of waste tires in the Town of Evangeline within Acadia Parish. The tire burning incident took place in May 2010. DEQ-CID investigators conducted an investigation into the illegal burning and drafted an arrest warrant for Conner. Conner was arrested by local authorities in March 2012.

Conner was sentenced before the 15th Judicial District Court in Crowley to 12 months hard labor.

The case was prosecuted by Acadia Parish District Attorney Michael Harson's office.

Acadia Parish waste tire transporter sentenced in waste tire fraud case

In December 2012, a Church Point man pled guilty to felony forgery counts which ultimately defrauded DEQ's Waste Tire Management Fund of over $11,000.

Majella Green, an independent waste tire transporter contractor, was arrested by DEQ-CID agents in February 2011 and May 2012 for forging waste tire manifests and submitting them to DEQ. This conviction applies to Green's first arrest in February 2011. The case involving the second arrest is currently under review by the District Attorney's office.

In both instances, Green knowingly collected ineligible used tires from unregistered waste tire generators and marked them as eligible tires from registered generators on waste tire manifests. These false manifests were ultimately submitted by Green to DEQ through Colt Tire, a waste tire processor, who unknowingly accepted the forged manifests and processed the ineligible tires submitted by Green.

Legal proceedings concerning Green's wife, Laura Senegal, a co-defendant, are currently pending.

Colt Tire cooperated completely in DEQ's investigation, and employees of Colt were unaware that the tires were ineligible and that Green forged the manifests. DEQ's Waste Tire Management Fund was ultimately impacted when Colt sought reimbursement from DEQ for processing tires that were unknowingly ineligible. In accepting Green's plea, the Court sentenced Green to four years of home incarceration. The case was prosecuted by District Attorney Michael Harson and Assistant District Attorney Mark Garber.

St. Landry Parish man pleads guilty to environmental crimes, gets jail time

In December 2012, Joseph L. Jones of St. Landry Parish, pled guilty to 11 felony charges involving criminal violations of Plaisance Development Corporation's water discharge permits in St. Landry Parish. Jones was the president of Plaisance Development Corporation

which operated six wastewater treatment plants in St. Landry Parish as well as six wastewater treatment plants in Evangeline Parish. Jones was charged with knowingly violating the Louisiana Pollutant Discharge Elimination System permit by exceeding discharge limitations and not providing monitoring results for the facilities operated in St. Landry Parish.

Jones was sentenced to 18 months in jail to run concurrently with a previous sentence he received on multiple violations in Evangeline Parish, restitution of $5,115.00 to be paid to DEQ and five years supervised probation upon his release from jail. Jones is prohibited from working with wastewater treatment operations again. Jones was arrested on July 22, 2010, on these charges.

Plaisance Development Corporation pled guilty to 18 felony charges and was fined $90,000. The case was investigated by Ryan Brignac of DEQ-CID and prosecuted by St. Landry District Attorney Earl Taylor and Assistant District Attorney Jennifer Ardoin.

Addressing issues before they become larger problems

Many of CID's initial investigations into an environmental concern are addressed immediately. The primary goal is to initiate a cleanup of the affected area if the matter does not involve a major criminal issue. An example would be ensuring a waste tire pile is removed and disposed of properly. This action would remove the environmental blight and the possibility of burning.

Since the responsible party may be unaware of the regulations and potential hazards associated with the waste tire pile, agents from DEQ-CID visit the site. They meet with the site owner and explain the regulations to ensure the pile is removed and disposed of properly. Failure of the owner to abide by cleanup guidelines results in the matter requiring prompt legal action.

DEQ-CID handles a wide variety of call-ins, anonymous tips and inquiries from citizens or governmental authorities. Many of these investigations

Following a tip, DEQ-CID visited a tree debris pile in Baton Rouge and ensured it was removed promptly.

are not included in the statistical reports since they are generally addressed in the same day with a site visit by a CID investigator. The investigator informs the responsible party or site owner about applicable regulations. At that point, the responsible party/site owner often agrees to clean up the site within 48 to 72 hours. Follow up visits by DEQ-CID agents confirm the cleanup of the site, and the case is then closed.

Larger cases, or cases where the responsible party/site owner either cannot be located or refuses to rectify the environmental blight, can result in the initiation of a formal case. In this case aggressive investigation and prosecution is undertaken by CID, with support from the local law enforcement agency and district attorney over the affected region.

Environmental trust fund supports future investigations

As a result of DEQ-CID's efforts with partnering agencies and law enforcement entities, payments from high-profile court cases can be directed to DEQ through court orders. One example was the May 29, 2013, sentencing of Temple Inland, Inc. The U.S. District Court in New Orleans fined Temple Inland for one misdemeanor count of violating the Clean Water Act stemming from the 2010 Pearl River fish kill. During

the spill, chemicals from Temple Inland's wastewater treatment facility entered the river as a result of an unauthorized discharge.

On June 19, the court sentenced Temple Inland for illegal dumping. As a result, the U. S. Environmental Protection Agency's Criminal Investigation Division for Region 6 presented a check to DEQ for $500,000. This represented the community service payment from Temple Inland to DEQ's Environmental Trust fund. The Trust Fund is used to combat future illegal dumping activities through outreach, investigations and logistical support.

DEQ's criminal investigation division on the move

As of the end of FY 2012-13, CID reported 106 leads with several convictions totaling more than a billion dollars in fines (including fines resulting from the 2010 BP and Transocean oil spill). On convictions, a few defendants have been sentenced. Others will be sentenced in late 2013 and into 2014. All were found guilty or pled guilty during the fiscal year. The total prosecution and investigation costs amounted to $23,475. Over the fiscal year, CID has invested 161 hours of outreach related to environmental crime education and prevention.

Spotlight

Throughout the state, many towns, schools, municipalities and private businesses are doing their part to improve the environment by making conscious decisions that make a difference. At DEQ, staff members have been honored for their leadership and initiative in preserving Louisiana's unique environment. The Department of Environmental Quality believes it is important to highlight those achievements.

The following are just a few of the many accomplishments and projects making a difference.

DEQ honors two of its own for their service in Afghanistan

The Louisiana Department of Environmental Quality has honored two of its employees for their service to our country during Operation Enduring Freedom.

Russell Clark, an Environmental Scientist with DEQ's Radiation Division; and Christopher Simms, a Staff Environmental Scientist in DEQ's Capital Regional Office, were recognized by DEQ Secretary Peggy Hatch for their service as Intelligence Non-Commissioned Officers for the Louisiana Army National Guard. Clark and Simms served with the Guard's 415th Military Intelligence Battalion in Parwan, Afghanistan, from 2010-2011. Headquartered in Carville, the 415th was activated in the fall of 2010 for service in support of Operation Enduring Freedom.

Clark, a sergeant first class with nearly 30 years of service in the Army National Guard, enlisted in 1983 as a Combat Engineer before transitioning into the Military Intelligence branch in 1989. Clark was team sergeant of a Human Intelligence Collection Team while deployed to the Balkans in 2003-2004. While deployed to Parwan, Clark served as one of his Battalion's Non-Commissioned Officers in Charge (NCOIC) in support of Intelligence Operations. For his service as an Operations Section NCOIC, he was awarded an Army Commendation Medal.

DEQ Secretary Peggy Hatch (center) receives a U.S. flag and certificate of service on behalf of DEQ from Chris Simms (left) and Russell Clark (right).

Simms, a staff sergeant also serving with the 415th Military Intelligence Battalion, joined the Army National Guard in 1984 as a military policeman and served a 6-year enlistment before receiving an Honorable Discharge in 1990. In 2007, he rejoined the National Guard and deployed to Iraq in 2008-09 on a Police Transition Team mission in support of Operation Iraqi Freedom before deploying to Afghanistan in 2010 with the 415th. During his tour in Afghanistan, he was

awarded the Bronze Star for exemplary service as a Senior Intelligence Analyst during Operation Enduring Freedom.

During a ceremony at DEQ Headquarters on May 14, Clark and Simms bestowed a U.S. flag upon DEQ as a gesture of gratitude in honor of DEQ's commitment to stand behind its military service members during times of peace as well as conflict. The flag served as a distinctive sign of motivation and pride for the men, as it was physically present in the interrogation room during their examination of several enemy informants, suspects and known terrorists who were captured for questioning in Afghanistan. As a result of several months of painstaking, extensive intelligence efforts undertaken by Clark, Simms and their colleagues, the 415th departed the theatre of operations in late 2011 having interrogated more than 4,500 detainees, resulting in the interdiction of more than 2,000 terrorist-led missions, thereby saving countless numbers of American and Afghani lives in the process.

For their service to the state of Louisiana and the United States of America, the Louisiana Department of Environmental Quality is proud, honored and humbled to receive this American flag from Sgt. Clark and Sgt. Simms in recognition of their steadfast devotion to duty and unyielding commitment to defend our nation.

DEQ Environmental Scientist Jeff Dauzat awarded by U.S. Coast Guard

In June, Jeff Dauzat, an Environmental Scientist with Louisiana Department of Environmental Quality, received two awards from the U.S. Coast Guard at the New Orleans Area Committee Meeting.

Dauzat, based at DEQ's Southeast Regional Office in New Orleans, received the Coast Guard's Sector New Orleans Medal of Honor for his role in the Geographic Response Plan (GRP) component of the Area Contingency Plan. Dauzat shared the honor with David Gisclair from the Louisiana Oil Spill Coordinator's Office and Kyle Jellison of the National Oceanic and Atmospheric Administration.

Jeff Dauzat receives a public service pin from Coast Guard Captain Peter Gautier.

The Area Contingency Plan outlines oil spill and natural disaster response methods and includes several tools designed to support the assessment and response phases. The GRP is one component of the plan. Dauzat, who sits on the GRP subcommittee, made several visits with the subcommittee members to each parish in the affected area, meeting with state and local

organizations to ensure that communication, logistics and resources were firmly established. The group also refined the plan, developing new and innovative strategies that serve to protect parishes from further damage in the event of an oil spill or environmentally related hazard.

Dauzat also received a Public Service Commendation from the U.S. Coast Guard for his response work within the Unified Command as the State On-Scene Coordinator following the landfall of Hurricane Isaac in 2012. During the storm's aftermath, Dauzat quickly coordinated air, water and ground elements and response mechanisms to address more than 300 oil spills and various environmental hazards through deployment of containment boom, response equipment and personnel throughout the assessment and cleanup phases. With his assistance, more than 4,500 barrels of oily water and 1,200 drums containing hazardous material were collected during the course of the cleanup.

The award was signed by U.S. Coast Guard Adm. Kevin Cook, Commander of the Eighth Coast Guard District. Capt. Peter Gautier, Captain of the Port of New Orleans, presented both awards.

"Jeff's devotion to emergency response planning, logistics and communications has risen above and beyond the call of duty," said DEQ Secretary Peggy Hatch. "Jeff is highly versed in oil spill assessment and recovery operations, and his technical expertise and knowledge of crisis management and disaster response makes him a valuable asset to the state of Louisiana."

Senior Environmental Scientist Jan Boydstun Honored

Jan Boydstun

Jan Boydstun, Senior Environmental Scientist who recently retired from DEQ, worked for the department for more than 24 years. Boydstun began her career at DEQ as the pioneer of the Nonpoint Source Program. She remained in the program throughout her state career working to remove impairments in Louisiana's waters. She recently wrote the state's Nonpoint Source Management Plan, worked with an interagency team to develop the state's Nutrient Management Strategy and developed a set of basin brochures for each of the state's river basins. Boydstun chaired the state's Nonpoint Source Interagency Committee, comprising of more than 20 federal, state and local agencies, all working together to build a comprehensive watershed restoration program for Louisiana.

Boydstun served on the Hypoxia Task Force, the Gulf of Mexico Program, Nutrient Management Team, USDA's State Technical Committee and represented the State of Louisiana at Association of Clean Water Administrators (ACNA) meetings, just to name a few. She was a departmental leader on state and national issues and played an active role with ACWA for many years. Recently, Boydstun was co-chair for the

Total Maximum Daily Loads/Watersheds Committee and provided leadership on EPA-State 319 and 303(d) long-term vision workgroups.

Boydstun was honored with an award from the Association of Clean Water Administrators at the organizations 52nd Annual Meeting in Santa Fe, N.M. Boydstun received an Exceptional Service Award for her leadership in protecting the waters of the state and innovation in finding ways to improve its quality.

"Jan Boydstun epitomizes the environmental science profession," said Alex Appeaning, DEQ Deputy Secretary. "Throughout her career, Jan has consistently demonstrated an exemplary work ethic, a positive attitude, passion and a keen understanding of the water related challenges and opportunities facing Louisiana."

Audubon Huffleopteraptors Win Louisiana Envirothon

Seven teams participated in the 2013 Louisiana Envirothon Environmental Competition, which was held in March at the LSU AgCenter Burden Center in Baton Rouge. The teams participated in an environmental educational contest that consisted of testing at area stations in aquatics, forestry, soils, wildlife, a current issue (sustainable ranchland management) and an oral presentation.

Team Audubon Huffleopteraptors took first place.

Participating were four teams from Audubon Nature Institute in New Orleans; two teams from Live Oak Future Farmers of America in Denham Springs; and a team from Baton Rouge Magnet High School. The teams consisted of five students, who chose their own team names.

For the second year in a row, the Audubon Huffleopteraptors placed first. Second place went to the Baton Rouge Magnet High School Bulldogs, who were participating for the first time in the competition. The third place team was Audubon Team Gus. The winners received plaques, certificates and cash prizes. The first place team represented Louisiana in the North American Envirothon Competition in Montana.

The teams with the highest scores on station tests were: Forestry: Audubon CamCarIzzySloJoe; Soils: Audubon Huffleopteraptors; Aquatics: Baton Rouge Magnet High School Bulldogs; Wildlife: Audubon Team Gus; Current Issue ("Sustainable Rangeland Management"): Audubon Huffleopteraptors; Oral Competition: Audubon Team Gus.

Spotlight

The competition is presented by the Louisiana Department of Environmental Quality, partnering with the Louisiana Department of Wildlife and Fisheries, the Louisiana Department of Agriculture and Forestry, Louisiana State University, U.S. Department of Agriculture's Natural Resources Conservation Service and Downtown Miracle Place Toastmasters.

The winning team, the Audubon Huffleopteraptors, competed in early August with 53 other teams from around the U.S. and Canada at the North American Envirothon in Billings, Montana. The teams compete by using their knowledge of the environment and solving complex environmental problems. While in Montana, the team stayed at Montana State University in Bozeman and had the opportunity to tour Yellowstone National Park, attend a rodeo and meet students from other states and Canada.

Audubon Huffleopteraptors identify different soils at the soil station for the 2013 Envirothon.

Sarah Valley Allen was the team's advisor, and the team members were Ellie Kravets, Paden Ruegge, Gabriella Lorusso, Marley McInnis and Christopher Dominique II. Most of the members became part of the Audubon Envirothon team after volunteering at the nature institute and through the zoo's Education, Conservation and Community Opportunities leadership afterschool program.

One of the resources uniquely available to Audubon's Envirothon members is the soil pit, where the students are able to get hands-on experience with the material that they are studying, as opposed to looking at pictures in books or hearing lectures. That hands-on experience paid off, as the Hufflelopteraptors had the highest score in Louisiana Envirothon history in the Soil and Land Use category at the state competition.

"Envirothon isn't all about winning a competition, it's about becoming more aware of the environment and learning all of the different things that make it up," Allen said. "The kids learn about potential jobs and areas of study beyond working with animals – their original reason for volunteering at the zoo. Envirothon kids have gone on to land jobs in areas that deal with water quality and medicine."

The Environmental Leadership Awards recognize environmental accomplishments

In March, DEQ hosted the Environmental Leadership Awards. DEQ Secretary Peggy Hatch was joined by Sen. Mike Walsworth, chair, Senate Environmental Quality Committee, and Rep. Gordon Dove, chair, House Natural Resources and Environmental Committee, to recognize environmental achievements at the 2013 ceremony. New and existing members of the Environmental Leadership Program (ELP) were commended for their voluntary pollution prevention efforts and community environmental outreach initiatives. The ceremony highlighted projects that went above and beyond regulatory compliance to substantially improve the quality of the environment. Awards were presented to large, medium and small businesses, municipalities, non-governmental organizations and schools/universities.

This year, DEQ presented 15 awards in recognition of the following:

- Removal of 219,780,000 pounds (lbs) of pollutants, including: criteria pollutants, caustic, greenhouse gas emissions, etc.
- Reduction in energy usage in the amount of 8,600,000 kilowatt hours (kwh)
- Recycling 163,473 lbs/yr of E-waste
- Recycling 1,857,714 gals/yr of hydrocarbon contaminated water, soapy water, used oil, etc.

Here is a list of the winners and their achievements:

Students from St. Margaret's Science Club accept an Achievement Award for their project from DEQ Secretary Peggy Hatch, Sen. Mike Walsworth and Rep. Gordon Dove.

St. Landry Parish Solid Waste Disposal District – Washington, LA: Biogas-to-Compressed Natural Gas Vehicle Fuel Project

St. Landry Parish Solid Waste Disposal District received the Environmental Leadership Program Special Recognition Award in Pollution Prevention for the voluntary collection and conditioning of landfill gas to derive compressed natural gas for dispensing into motor vehicles as a fossil fuel substitute. When operating at full capacity, 250 gallons of gasoline equivalent per day is produced from 50 cubic feet of the average 300 cubic feet per minute of landfill gas. In addition to direct voluntary reductions in emissions, the release of fugitive gas is lessened, odor is controlled and vegetative growth is improved. This project is significant in that the St. Landry Parish Sheriff's Department made a commitment to convert twelve of their vehicles to bi-fuel capability and added a passenger van that is fueled solely on compressed natural gas. According to Energy Vision, a national non-profit organization promoting strategies for a sustainable transportation future, this project is one of only five in the nation using landfill gas as a biogas source

for vehicle fuel. This innovative technology is truly advancing the waste management industry by providing a new fuel source at a significantly reduced price for municipalities and industries.

St. Landry Parish Solid Waste Disposal District – Washington, LA:
Education Environmental Awareness Literacy Program

St. Landry Parish Solid Waste Disposal District received the Environmental Leadership Program Special Recognition Award in Community Environmental Outreach for increasing awareness and recycling participation, as well as community stewardship. The District provided professional, customized teaching lessons to all second grade classrooms in St. Landry Parish with supplemental materials provided to grades 3 through 6. Special calendars and guided tours to the recycling and disposal sites were developed as part of the objectives. Free transportation for school recycling participants was also provided. The District worked with St. Landry Parish School Board Administrators and teachers and partnered with Character Links, Inc., to develop a truly unique program. This program, with emphasis on eight core topics, has served as an effective network for family involvement and community outreach. As a result, the program has created an environment to develop lifetime habits in children.

Martin Ecosystems – Baton Rouge, LA:
Installing BioHaven® Floating Islands at Elayn Hunt Correctional Facility

Martin Ecosystems received the Environmental Leadership Program Special Recognition Award in Pollution Prevention for installing BioHaven® Floating Islands at Elayn Hunt Correctional Facility. BioHavens® are man-made floating islands that provide optimized habitat for growing microbial and plant species. Similar to a wetland, plants and microbes improve water quality by transforming pollution into healthy biological diversity through a vegetative and microbial foundation. BioHaven® Floating Islands are engineered to support larger populations of those organisms. As plants grow through the islands, their roots remove pollution in the water body by converting contaminants into biomass, thereby providing an ideal habitat for the microbes. As the microbes and algae consume nutrients and pollution, they convert those nutrients into forms that are useful to other organisms, providing ecologically healthy and stable aquatic environments to dramatically remove unwanted nutrients and pollution. Additionally, the Islands increase retention time as the flow of water is “redirected” through or around the Islands. The installation of BioHaven® Floating Islands at Elayn Hunt Correctional Facility greatly improved the water quality.

Rubicon, LLC. – Geismar, LA:
MDI Plant Caustic Usage Reduction

Rubicon, LLC. received the Environmental Leadership Program Large Business Achievement Award in Pollution Prevention for reducing the effluent waste disposed via deepwell injection and reducing the usage of electricity.

Rubicon is a leading producer of methylene diphenyl diisocyanate (MDI). Acid gases produced by the MDI process are routed to caustic scrubbers and neutralized with caustic. Optimizing the amount of caustic utilized for neutralization resulted in the elimination of 3,590 tons of caustic being disposed of via deepwell injection. This control scheme resulted in reduced electricity usage by 806 million kilowatt hours. This project resulted in reduced impacts on the environment by lowering caustic usage and reduced "pH swings."

Stuller, Inc. of Lafayette – Lafayette, LA:
E-Waste Recycling

Stuller, Inc. received the Environmental Leadership Program Large Business Recognition Award in Pollution Prevention for recycling E-waste. Stuller, Inc. is a proactive, innovative wholesale jewelry manufacturer that embraces environmental sustainability and corporate social responsibility. As part of its commitment to reduce waste at the source, Stuller committed to recycling computer monitors and printers rather than landfill disposal. Approximately five tons of E-waste was recycled in an environmentally safe manner by a company that, in turn, provides refurbished computers and equipment to schools, nonprofit organizations and low income families.

Alon Refining Krotz Springs – Krotz Springs, LA:
Air Emissions Reduction Program

Alon Refining Krotz Springs (KSR) received the Environmental Leadership Program Medium Business Achievement Award in Pollution Prevention for their air emissions reduction program which focused on pollution reductions from processes, use of products, and waste minimization. Reductions in nitrogen oxides and sulfur dioxide emissions from the Fluid Catalytic Cracking Unit at the petroleum refinery were accomplished utilizing emission reduction catalysts. The refinery also commissioned a new steam boiler which replaced four existing boilers, thereby further reducing nitrogen oxides emissions. Additional reductions in hydrogen sulfide, total sulphur and mercaptans were realized with the installation of caustic scrubbers. The two treaters presented KSR with the opportunity to recycle 3,500 tons of caustic. KSR believes that the environmental benefits of their air emissions reduction program outweigh the economic costs, thereby going beyond the status quo to provide benefit not only to the refinery but to their neighbors and the environment as well.

Advanced Specialized Carriers – Pineville, LA:
Pollution Prevention & Beneficial Reuse Program

Advanced Specialized Carriers (ASC) received the Environmental Leadership Program Small Business Recognition Award in Pollution Prevention for recycling oily water, soapy water, ink-wash water and used oil. ASC has promoted the reduction of hazardous waste while remaining conscious of environmental issues during the process of emergency response. Additionally, ASC purchased five eco-friendly trucks with Detroit MBE 4000 cleaner burning engines, supported environmental events such as Environmental Regulatory Compliance

Conference and donated time, equipment, disposal costs, recycling costs and transport for the Central Louisiana Household Hazardous Collection Day. ASC has also supported local area schools through their volunteer educational efforts.

Country Club Auto Repair and Bentley's Collision – Lake Charles, LA:
Pollution Prevention

Country Club Auto Repair and Bentley's Collision received the Environmental Leadership Program Small Business Recognition Award in Pollution Prevention for reducing the amount of electricity and gas utilized by the repair shop. Solar Panel roofing was installed to reduce the amount of electricity utilized by the shop. Solar Panel installation reduces the need for carbon-based fuels as a source of energy. The repair shop also converted their work vehicles to natural gas as a cleaner alternative fuel source. Through the implementation of these activities, the repair shop operates in a more eco-friendly manner and makes a positive impact on global warming by reducing greenhouse emissions. The shop remains steadfast in its commitment to pollution prevention by limiting the amount of waste generated on-site.

The Green Project – New Orleans, LA:
It's Easy Being Green

The Green Project received the Environmental Leadership Program Small Business Achievement Award in Community Environmental Outreach for expanding their environmental education program beyond their walls to include presentations for children as well as adults given at schools and gatherings of various community groups. The program is designed to inform citizens of waste issues and provide instructions on how to implement solutions. Presentations cover the basics of the waste stream and are adaptable for various audiences depending on age and level of environmental literacy. Presentations, lectures, and activities focus on reducing waste, increasing reuse and recycling, and improving the level of environmental awareness in the Greater New Orleans area.

Capital Area Corporate Recycling Council – Baton Rouge, LA:
Electronic Recycling Events 2012

Capital Area Corporate Recycling Council (CACRC) received the Environmental Leadership Program Non-Governmental Organizations Achievement Award in Pollution Prevention for its continual commitment to electronic scrap reduction by providing recycled computers and equipment to schools, nonprofit organizations and low income families. As a licensed Microsoft Registered Refurbisher, the CACRC manages Computers for Louisiana's Kids and Computers for Louisiana's Families. During 2012, CACRC held 23 recycling events in partnership with local communities, businesses, and media sponsors (none of which are required by regulations). These events resulted in the recycling and reusing of 153,473 pounds of electronic material.

St. Margaret Catholic School Science Club - Lake Charles, LA:
Water Stewards

St. Margaret Catholic School received the Environmental Leadership Program Schools Achievement Award in Pollution Prevention for identifying storm drain pollution and its effects on the Lake Charles area waterways and promoting stewardship for our Earth and community. Students participated in a city meeting on waterways and requested storm drain level maps to determine the flow of storm drains to various water bodies. The students monitored the water along Contraband Bayou, which runs through the city to Lake Charles Lake, Calcasieu River, and eventually the Gulf of Mexico. The students also worked with the parish to identify and mark storm drains as well as distributed flyers to the general public promoting storm drain pollution awareness. The students also participated in other projects such as Adopt-A-Road, Beach Sweep, Pep Rally and PTC water awareness skits, and Stewards of the Water/Tuten Park Community-wide event.

Baton Rouge Magnet High School – Baton Rouge, LA:
Bulldogs Recycle!

Baton Rouge Magnet High School received the Environmental Leadership Program Schools Recognition Award in Pollution Prevention for implementing a school-wide recycling program called Bulldogs Recycle! The goal of the program was to reduce the amount of paper and plastics that make its way to landfills. Recycling bins were placed in all classrooms, offices and workrooms. Students were responsible for maintaining the bins, as well as sorting and delivering contents. Students collected approximately 16,000 pounds of paper and plastics during the school year. Environmental benefits, seen as a result of these activities, include saving landfill space, conserving natural resources, saving energy and reducing greenhouse emissions. The club members were inspired to reduce their ecological footprint, instill pride among their peers for their environmental contributions and gain valuable lessons in environmental stewardship that will be carried into their adult lives.

Tulane University – New Orleans, LA:
Environmental Program Initiatives

Tulane University received the Environmental Leadership Program University Recognition Award in Pollution Prevention for establishing a new “Environmental Programs” group within the Tulane Office of Environmental Health and Safety (OEHS) to provide centralized oversight, management and recordkeeping of environmental compliance activities. The OEHS carried out a university-wide chemical cleanout to ensure that old, unwanted chemicals were properly disposed. The University partnered with Ben Franklin High School in New Orleans to commercially dispose of unwanted chemicals. Through the implementation of various environmental initiatives, OEHS has improved chemical and solid waste management practices and supported environmental sustainability at the university.

By securing container systems and secondary containment equipment, OEHS encouraged the safe and proper collection and disposal of organic solvent waste in labs. OEHS also reduced the volume of chemical and solid waste through recycling. The University also adopted Leadership in Energy and Environmental Design (LEED) Green Building Certification standards for their construction and renovation projects.

St. Margaret Catholic School – Lake Charles, LA:
Steward of the Earth

St. Margaret Catholic School received the Environmental Leadership Program Schools Achievement Award in Community Environmental Outreach for promoting awareness of energy saved by recycling and up-cycling in schools and the community through a variety of activities. The students shared information on recycling and storm drain marking with other schools by hosting workshops, open houses, energy fairs, and recycled art shows. The students were very visible in the school and community, distributing recycling information and also collecting recycled items. Funds generated from the sale of repurposed recyclable items provided a source of revenue to purchase recycle bins. They were invited by the mayor to participate in Litter Law Luncheon as involved citizens. While working with the mayor and Junior Team Green, handing out flyers and collecting recycled items at multiple city and school events, 40 students clocked in over 1600 hours.

Baton Rouge Community College – Baton Rouge, LA:
Geaux Green Sustainability Event for the BRCC Campus

Baton Rouge Community College received the Environmental Leadership Program University Recognition Award in Community Environmental Outreach for conducting an educational outreach initiative on campus. The initiative raised awareness among students, faculty and staff as well, as the Baton Rouge community, on the importance of environmental stewardship, sustainability and green practices. A variety of interactive display stations, manned by students, faculty, staff and community partners, provided informative and participatory activities highlighting sustainability practices. After rotating through the various stations, participants committed via the “GEAUX GREEN PLEDGE” to use five environmentally-friendly/sustainable practices, remember their pledges and educate others, and pursue their interest and knowledge in sustainability by enrolling in one of the “Enviro” courses on campus.

Appendix

Office of Environmental Compliance 34-36

Office of Environmental Services 36-38

Office of the Secretary 39-40

Management and Finance 41

Contact Information 42-44

Office of Environmental Compliance

SURVEILLANCE: INCIDENTS	
ACADIANA REGION	575
CAPITAL REGION	1,821
NORTHEAST REGION	681
NORTHWEST REGION	446
SOUTHEAST REGION	2,247
SOUTHWEST REGION	364

EMERGENCY RESPONSE	
SPILLS	815
COMPLAINTS	109

ENFORCEMENT: TOTAL ACTIONS ISSUED	
AIR	432
HAZARDOUS WASTE	80
MSE	1
RADIATION	354
SOLID	342
UST	193
WATER	367
TOTAL NUMBER OF ENFORCEMENT ACTIONS	1,769
PENALTY ASSESSMENTS	8
EXPEDITED PENALTY AGREEMENT AND NOTICE OF POTENTIAL PENALTY	270
TOTAL PENALTY AMOUNT ASSESSED	$1,797,278.36
SETTLEMENTS/ AGREEMENTS	58
TOTAL SETTLEMENT AGREEMENT	$1,823,586.54
TOTAL BEP VALUE	$499,876.00
UST COMPLIANCE SCHOOL	16 ATTENDED
SWAT COMPLIANCE SCHOOL	15 ATTENDED

SINGLE POINT OF CONTACT	
SPILLS PROCESSED	5,416
COMPLAINTS PROCESSED	3,053
WRITTEN NOTIFICATION PROCESSED	2,177

RADIATION SURVEILLANCE	
X-RAY	1,141
RAM	296
FDA MAMMOGRAPHY QUALITY STANDARDS ACT	150

RADIATION SERVICES	
RAM LICENSES	747
REGISTRATIONS	874
CERTIFICATIONS	858
INDUSTRIAL RADIOGRAPHY TESTS ADMINISTERED	732

APPROXIMATE EMISSIONS REDUCTIONS FROM SETTLEMENTS AT LOUISIANA FACILITIES	
SULFUR DIOXIDE (SO_2)	25,751 $TPY_{1,2}$
NITROGEN OXIDES (NO_x)	3,300 TPY_2

[1] OF THE 25,751 TPY OF SO2, APPROXIMATELY 1,751 TPY WILL BE REDUCED AT RAIN CII CARBON LLC'S COKE PLANT IN CHALMETTE AS A RESULT OF AN ADMINISTRATIVE ORDER AND CONSENT AGREEMENT.

[2] OF THE 25,751 TPY OF SO2, APPROXIMATELY 24,000 TPY (20,000 BY 2015, AT LEAST 4,000 ADDITIONAL BY 2025) WILL BE REDUCED AT THE LOUISIANA GENERATING BIG CAJUN II COAL-FIRED POWER PLANT IN NEW ROADS AS A RESULT OF THE CONSENT DECREE IN WHICH LDEQ PARTICIPATED WITH THE DEPARTMENT OF JUSTICE AND THE U.S. ENVIRONMENTAL PROTECTION AGENCY. ADDITIONALLY, APPROXIMATELY 3,300 TPY OF NOX WILL BE REDUCED AS A RESULT OF THIS AGREEMENT. THE EMISSIONS REDUCTIONS WILL BE ACHIEVED AS THE INSTALLATION, UPGRADE, AND OPERATION OF EMISSIONS CONTROLS ARE COMPLETED AND OTHER EMISSIONS REDUCTIONS MEASURES ARE UNDERTAKEN.

FOR THE PURPOSES OF THE 2013 ANNUAL REPORT, THE EMISSIONS REDUCTIONS REPRESENTED ABOVE ARE FOR THOSE AGREEMENTS THAT HAVE BEEN FINALIZED DURING THE JULY 1, 2012 – JUNE 30, 2013, FISCAL YEAR.

ENFORCEMENT: DISCHARGE MONITORING REPORTS		
	# DMRS	# PAGES
INDIVIDUAL MAJORS	5,239	28,700
INDIVIDUAL NON MAJORS	11,991	38,933
GENERAL-NON STORMWATER PERMITS	30,368	67,947
STORMWATER (NON CONSTRUCTION)	992	3,313
STORMWATER (CONSTRUCTION)	5	14
UNPERMITTED FACILITIES	203	747
TOTAL	48,798	139,654
NETDMR		
INDIVIDUAL MAJORS	2,246	6,877
INDIVIDUAL NON MAJORS	857	2,233
GENERAL-NON STORMWATER PERMITS	5,761	11,867
TOTAL	8,864	20,977

Office of Environmental Compliance

AIR QUALITY ASSESSMENT	
AIR QUALITY MONITORING NETWORK	DEQ OPERATES 34 AMBIENT (NEIGHBORHOOD) MONITORING SITES. THESE SITES EMPLOY A VARIETY OF CONTINUOUSLY OPERATING MONITORS WHICH SAMPLE 24 HOURS PER DAY, SEVEN DAYS PER WEEK. ON AVERAGE, 98 MONITORS ARE OPERATING AT ANY GIVEN TIME, 72 OF WHICH OPERATE CONTINUOUSLY AND THE REMAINING 26 OPERATE ON SET SCHEDULES. LOUISIANA ALSO HAS 2 SPECIAL PURPOSE SITES – LIGHTHOUSE AND SOUTHERN UNIVERSITY. THESE SITES HOUSE 8 ADDITIONAL MONITORS THAT ARE USED FOR SPECIAL STUDIES AND PROJECTS.
VOLATILE ORGANIC COMPOUNDS (VOCS)	16 SITES COLLECT ABOUT 4,300 CANISTERS PER YEAR WITH 14 SITES SAMPLING WHEN CONTINUOUS MONITORS DETECT A PRE-DETERMINED CONCENTRATION FOR A GIVEN PERIOD OF TIME FOR AN ADDITIONAL 200 CANISTERS PER YEAR. EACH CANISTER IS ANALYZED FOR ABOUT 60 INDIVIDUAL COMPOUNDS WITH MANY RECEIVING TWO SEPARATE ANALYSIS.
OXIDES OF NITROGEN (NOX)	10 MONITORS (8 IN THE BATON ROUGE AREA). NOX COMBINES WITH VOCS TO FORM OZONE.
OZONE	24 MONITORS (9 IN THE BATON ROUGE AREA)
SO2	6 MONITORS
CO	ONE MONITOR, LOCATED IN THE BATON ROUGE AREA
PB	4 MONITORS, SAMPLES COLLECTED AND ANALYZED EVERY SIX DAYS
PM10	6 MONITORS
PM2.5	32 MONITORS STATEWIDE; 14 OF WHICH OPERATE CONTINUOUSLY AND 18 THAT COLLECT SAMPLES ON A TIMED SCHEDULE

SURVEILLANCE: INSPECTIONS				
REGIONS	INSPECTIONS	HURRICANE ASSESSMENTS	BP RESPONSE/ ASSESSMENTS	BAYOU CORNE/ TEXAS BRINE
ACADIANA REGION	572	200	0	10
CAPITAL REGION	943	474	22	143
NORTHEAST REGION	609	272	114	0
NORTHWEST REGION	437	256	0	0
SOUTHEAST REGION	887	799	65	9
SOUTHWEST REGION	345	180	9	0

Office of Environmental Compliance

REMEDIATION SERVICES	
PRELIMINARY EVALUATION ASSESSMENT (PEA)	46
INVESTIGATION WORK PLANS	190
INV AND CA IMPLEMENTATION REPORTS	303
CA WORK PLANS	112
UST COST ESTIMATES	2
MONITORING REPORTS	467
NO FURTHER ACTION	103
NO FURTHER INTEREST	44
VRP COMPLETION	2
INSPECTIONS	786
PERMIT APPLICATION REVIEWS	89
TECHNICAL ASSISTANCE REVIEWS	9
NON-TEMPO DEFINED TASKS	159

UNDERGROUND STORAGE TANK	
INVESTIGATION WORK PLANS	99
INV AND CA IMPLEMENTATION REPORTS	215
CA WORK PLANS	74
UST COST ESTIMATES	28
MONITORING REPORTS	325
NO FURTHER ACTION	64
NO FURTHER INTEREST	17
INSPECTIONS	1,173
NON-TEMPO DEFINED TASKS	36
ISSUE NOTICE OF POTENTIAL DELIVERY PROHIBITION	73
SUBMITTED FOR CIRCUIT RIDER REVIEW	364
FORWARD TO ENFORCEMENT	200
UST SUPPORT	
RECEIVE APPLICATION	653
ADMINISTRATIVELY/TECHNICALL REVIEWED	792
ISSUE ANNUAL TANK CERTIFICATE	3904

Office of Environmental Services

ASBESTOS	
ASBESTOS RENO/DEMO NOTIFICATIONS (AAC-2)	1,526
ASBESTOS DISPOSAL VERIFICATION FORMS ISSUED (ADVFS)	3,588
REGULATED ASBESTOS DISPOSED IN LOUISIANA LANDFILLS (CU YDS)	66,351
ACCREDITATIONS ISSUED (AAC-1)	2,866
TRAINING PROVIDERS RECOGNIZED (AAC-3)	34
TRAINERS RECOGNIZED (AAC-4)	116
NUMBER OF MANAGEMENT PLAN ACTIVITIES COMPLETED	35

PERMIT DECISIONS ISSUED	
NO. OF AIR QUALITY PERMITS DIVISION WORK PRODUCTS COMPLETED	3,750
NO. OF SOLID WASTE WORK PRODUCTS COMPLETED	1,445
NO. OF TREATMENT, STORAGE AND DISPOSAL (HAZARDOUS WASTE) WORK PRODUCTS COMPLETED	136
NO. OF INDIVIDUAL WATER QUALITY PERMIT ACTIONS ISSUED, INCLUDING MASTER GENERALS	281
NO. OF GENERAL WATER QUALITY PERMIT ACTIONS ISSUED, INCLUDING STORMWATER	2,958
NO. OF NAME, OWNERSHIP, OPERATOR CHANGES COMPLETED	1,681
NO. OF ASBESTOS MANAGEMENT PLAN REVIEWS ACTIVITIES COMPLETED	35
NO. OF ASBESTOS ACCREDITATION WORK PRODUCTS COMPLETED	3,016

Office of Environmental Services

PUBLIC PARTICIPATION GROUP	
PUBLIC NOTICES PUBLISHED	479 (865 PAPERS)
PUBLIC HEARINGS CONDUCTED	8*
PUBLIC COMMENTS RECEIVED	1,359
NUMBER PUBLIC NOTICES MAILED OUT (HARD COPIES)	85,095
SUBSCRIBERS TO E-MAIL PUBLIC NOTICE SERVICE	1,935
SUBSCRIBERS TO MAIL-OUT PUBLIC NOTICE SERVICE	2,154
* INCLUDES 1 PUBLIC MEETING	

PERMIT APPLICATIONS ADMINISTRATIVE REVIEW	
TOTAL APPLICATIONS PROCESSED	8,399
AIR	3,841
WATER	2,167
NAME/OWNER/OPERATOR CHANGE	1,681
SOLID WASTE	489
HAZARDOUS WASTE	130
BIOSOLIDS	91
EXPEDITED PERMIT PROCESSING REQUESTS PROCESSED	460

TEMPO SUPPORT GROUP	
CREATE NEW MASTER FILES (AIs)	3940
CONDUCT CHANGE REQUESTS	11166
REQUIREMENTS LOADED INTO TEMPO:	2172
TEMPO SECURITY REQUESTS COMPLETED:	147
SYSTEM SERVICE REQUESTS COMPLETED:	143

SOLID WASTE	
SEWAGE SLUDGE HAULERS APPLICATIONS PROCESSED	232
TRANSPORTERS REGISTERED IN YEAR	59
TRANSPORTERS REGISTERED TOTAL	2,265
GENERATORS (INDUSTRIAL) REGISTERED IN YEAR	21
GENERATORS (INDUSTRIAL) REGISTERED TOTAL	1961
LANDFILL OPERATORS CERTIFIED	263

LEAD	
PROJECT NOTIFICATIONS (LPF-3) PROCESSED	13
ACCREDITATIONS (LPF-1) ISSUED	408
TRAINING PROVIDERS RECOGNIZED	8
TRAINERS RECOGNIZED	18
LEAD LICENSED CONTRACTORS RECOGNIZED	93

LABORATORY ACCREDITATION	
IN STATE LABORATORIES ACCREDITED (NEW)	3
IN STATE LABORATORIES ACCREDITED (TOTAL)	50
OUT OF STATE LABORATORIES ACCREDITED (NEW)	5
OUT OF STATE LABORATORIES ACCREDITED (TOTAL)	154
IN STATE LABORATORIES AUDITED	13
OUT OF STATE LABORATORIES AUDITED	19*
* performed by contractors	

HAZARDOUS WASTE	
ANNUAL REPORTING REPORTS PROCESSED	537
GENERATORS DELISTED	180
GENERATORS REGISTERED IN YEAR	290
GENERATORS REGISTERED TOTAL	7,143
HAZARDOUS WASTE GENERATED BY LARGE QUANTITY GENERATORS (TONS)	4,697,608
TRANSPORTERS REGISTERED IN YEAR	41
TRANSPORTERS REGISTERED TOTAL	617

Office of Environmental Services

WATER QUALITY ASSESSMENT, STANDARDS AND TMDL	
WATER QUALITY STANDARDS:	WITHDREW PREVIOUSLY PROPOSED REVISION TO THE WATER QUALITY STANDARDS, FOLLOWING 2 PUBLIC HEARINGS AND COMMENT PERIODS. DRAFTED A REVISION TO THE WATER QUALITY STANDARDS WHICH IS CURRENTLY UNDER REVIEW BY MANAGEMENT THAT CLARIFIES LANGUAGE IN THE REGULATIONS AND WILL ALLOW PROGRESS IN THE IMPLEMENTATION OF THE STATE'S ANTIDEGRADATION POLICIES. COMPLETED DATA COLLECTION AND ANALYSIS OF DATASETS TO REFINE DISSOLVED OXYGEN CRITERIA IN THE EASTERN LOWER MISSISSIPPI RIVER ALLUVIAL PLAINS ECOREGION AND DRAFTED FINAL USE ATTAINABILITY ANALYSIS (UAA) REPORT. BEGAN REFERENCE RESEARCH AND DATA EVALUATION FOR REVISION OF DISSOLVED OXYGEN CRITERIA IN LOWLAND AREAS OF THE STATE ON AN ECOREGION BASIS. INITIATED SAMPLING IN SELECTED AREAS OF THE STATE IN AN ON-GOING EFFORT TO INFORM DEVELOPMENT OF NUMERIC NUTRIENT CRITERIA IN LOUISIANA ON AN ECOREGION AND WATER BODY TYPE BASIS. SAMPLING WAS COMPLETED ON 53% OF THE SELECTED INLAND RIVERS AND STREAMS SITES FOR WATER QUALITY, SESTONIC CHLOROPHYLL A, AND BIOLOGICAL COMMUNITIES (I.E., FISH, MACROINVERTEBRATES, AND PERIPHYTON). SITES ARE ALSO BEING ASSESSED FOR HABITAT AND CANOPY COVER. INITIATED SAMPLING AND DATA ANALYSIS TO INFORM REVISION OF MINERALS CRITERIA ON A STATEWIDE BASIS IN LOUISIANA WATERS. DATA ANALYSIS INCLUDED DEPARTMENT AND EXTERNAL DATA SOURCES. ON-GOING SAMPLING AND DATA ANALYSIS IS EXPECTED TO CONTINUE AT LEAST THROUGH THE END OF THE YEAR. SUBMITTED A REQUEST FOR SUPPORT THROUGH A SCOPE OF WORK FOR USEPA N-STEPS TECHNICAL SUPPORT FUNDING IN ORDER TO BEGIN REVIEW AND EVALUATION OF PROBLEMATIC COASTAL MARINE NUMERIC DISSOLVED OXYGEN CRITERION. ACTIVELY PARTICIPATED IN STATE AND FEDERAL PARTNERSHIP ACTIVITIES TO DEVELOP NUTRIENT REDUCTION STRATEGIES.
WATER QUALITY ASSESSMENTS:	2012 INTEGRATED REPORT (IR) WAS SUBMITTED TO EPA ON JANUARY 25, 2013 AND IS CURRENTLY UNDER EPA REVIEW. 205(J) CERTIFICATION OF 2012 INTEGRATED REPORT FOR REPORTING ON NONPOINT SOURCE WATER QUALITY WAS SUBMITTED TO EPA ON APRIL 1, 2013.
TMDL DEVELOPMENT/WATER QUALITY MODELING:	DEVELOPED 9 BACKGROUND DISSOLVED OXYGEN MODELS TO ASSIST WITH CRITERIA REVISIONS AND 5 DISSOLVED OXYGEN MODELS IN SUPPORT OF WATER PERMITS. BEGAN EFFORTS TO REVISE 1 TMDL DUE TO CHANGES IN DISSOLVED OXYGEN CRITERIA. REVISED 1 TMDL REPORT BASED ON TMDLS VACATED BY EPA. CONDUCTED EVALUATIONS OF TMDLS/PERMIT LIMITS IN 2 BASINS IN SUPPORT OF LOUISIANA'S NUTRIENT MANAGEMENT STRATEGY. PROVIDED ASSISTANCE WITH REGIONALIZATION PLANS FOR 2 PARISHES. EVALUATED AND COMMENTED ON 54 SURFACE WATER WITHDRAWAL APPLICATIONS ALONG WITH LDNR AND LDWF.

Office of the Secretary

COMMUNICATIONS	
PRESS RELEASES	91
DISCOVER DEQ E-NEWSLETTERS	5
PRESS CLIPPINGS	4786
TV AND RADIO SELF BOOKINGS	73
REPORTER CALLS	351
GRAPHICS	138

LEGAL AND REGULATION DEVELOPMENT	
COURT APPEARANCES	292
PLEADINGS PREPARED	359
LEGAL CONSULTATIONS	68,073
PUBLIC HEARINGS	26
COOPERATIVE AND SETTLEMENT AGREEMENTS NEGOTIATED	70
ETHICS CONSULTATIONS	428
REGULATION PACKAGES PREPARED AND REVIEWED	42
ENFORCEMENT ACTIONS REVIEWED	757
FEES AND PENALTIES COLLECTED	$2,273,453.44

CRIMINAL INVESTIGATION DIVISION	
NUMBER OF LEADS RECEIVED	106
NUMBER OF CASES OPENED	27
NUMBER OF CRIMINAL/ ADMINISTRATIVE ASSISTS	31 (82.75 HOURS)
NUMBER OF OUTREACH ACTIVITIES	67 (150.5 HOURS)
NUMBER OF CRIMINAL CASES REFERRED TO DA	19
NUMBER OF DEFENDANTS SENTENCED	26
JAIL TIME	138 MONTHS
PROBATION	567 MONTHS
CRIMINAL FINES*	$1,358,387,350.00
COST OF PROSECUTION	$1,060.00
COST OF INVESTIGATION	$22,415.00
* INCLUDES BP AND TRANSOCEAN PLEA AGREEMENTS	

ENVIRONMENTAL LEADERSHIP PROGRAM NEW MEMBERS	
BUSINESSES	75
FEDERAL FACILITIES	4
MUNICIPALITIES	35
ACADEMIA	22
NON-GOVERNMENTAL ORGS	9
TOTAL MEMBERS	145
* AS OF JUNE 30,2013	

ENVIROSCHOOL	
NUMBER OF ATTENDEES	219
NUMBER OF SESSIONS	8
NUMBER OF TOPICS	4
NUMBER OF INSTRUCTORS	6

Office of the Secretary

SMALL BUSINESS/SMALL COMMUNITY ASSISTANCE PROGRAM REGULATORY COMPLIANCE ASSISTANCE		
COMPLIANCE ASSISTANCE	2,320	PROVIDE ASSISTANCE TO LOCAL COMMUNITY, MUNICIPALITIES AND NEW AND EXISTING SMALL BUSINESSES TO UNDERSTAND THE REGULATORY PROCESS, ENSURE COMPLIANCE WITH ENVIRONMENTAL REGULATIONS AND REMAIN VIABLE AND PRODUCTIVE ECONOMIC DEVELOPMENT ENGINES THAT DRIVE LOUISIANA'S ECONOMY. DETERMINE REGULATORY COMPLIANCE, AND HOW REGULATIONS AFFECT A BUSINESS OR COMMUNITY. ASSIST WITH KNOWLEDGE AND COMPLIANCE OF MULTI-MEDIA REGULATIONS, PERMITS AND PLANS.
PERMITS ASSISTANCE	1,364	PROVIDE ASSISTANCE TO SMALL BUSINESSES AND COMMUNITIES WITH PREPARATION OF PERMIT APPLICATIONS, REPORTS, REGISTRATIONS, PLANS AND REGULATORY DOCUMENTS. CONTACT NEWLY PERMITTED FACILITIES TO PROVIDE ORIENTATION OF COMPLYING WITH PROVISIONS OF PERMIT.
CORRESPONDENCE SENT	1,082	PROVIDE THE INFORMATION ON ENVIRONMENTAL REGULATION TO SMALL BUSINESSES AND COMMUNITIES PER REQUEST.
WORKSHOPS/SEMINARS	60	PARTICIPATE IN OR ORGANIZE EDUCATIONAL WORKSHOPS/SEMINARS IN CONJUNCTION WITH LOCAL GOVERNMENT, ENVIRONMENTAL GROUPS, LDEQ OPERATIONAL GROUPS, AND SBCAP PARTNERS (E.G. LRWA, LMA, LPJA, LSU)

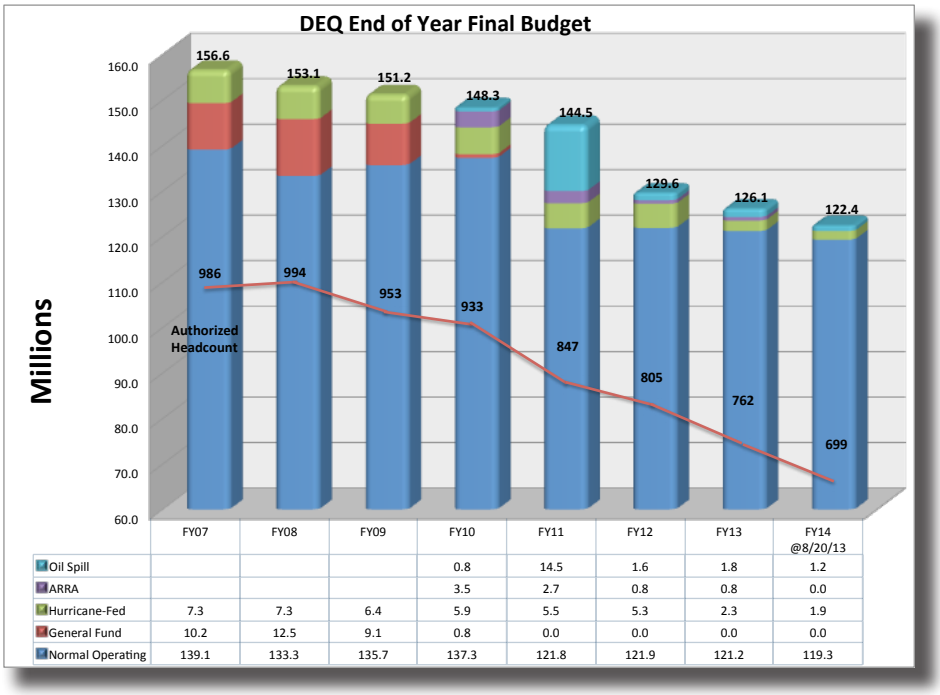
CLEAN WATER STATE REVOLVING FUND PERFORMANCE DATA	
VALUE OF LOANS SINCE INCEPTION (1990) TO FY 2013	$767,634,589
NUMBER OF LOANS SINCE INCEPTION (1990) TO FY 2013	189
VALUE OF LOANS CLOSED IN FY 2013	$88,322,900
NUMBER OF LOANS CLOSED IN FY 2013	11

NONPOINT SOURCE AND SURFACE WATER/AQUIFER PROTECTION	
SOURCE WATER ASSESSMENT	COLLECTED GPS DATA FOR APPROXIMATELY 56 WATER SYSTEMS WHICH INCLUDED LOCATIONS FOR 29 POTENTIAL SOURCES OF CONTAMINATION AND 79 WATER WELLS.
SOURCE WATER/WELLHEAD PROTECTION	PROTECTION STRATEGIES IMPLEMENTED FOR 78 WATER SYSTEMS; APPROXIMATELY 7,000 PEOPLE EDUCATED ON DRINKING WATER SOURCE PROTECTION; DISTRIBUTED 157 DRINKING WATER PROTECTION HIGHWAY SIGNS; APPROVED 31 CONTINGENCY PLANS; 189 POTENTIAL SOURCES OF CONTAMINATION EDUCATED ON BEST MANAGEMENT PRACTICES; 25 ORDINANCES WORKED ON; ESTABLISHED AND WORKED WITH 2 SOURCE WATER PROTECTION COMMITTEES WITH A TOTAL OF 86 VOLUNTEERS IN 2 PARISHES; 15 SOURCE WATER PROTECTION VIDEOS DISTRIBUTED; 23 AQUIFER RECHARGE MAPS DISTRIBUTED
AQUIFER SAMPLING AND ASSESSMENT PROGRAM	56 WATER WELLS SAMPLED THAT PRODUCE WATER FROM THE SPARTA, CARRIZO-WILCOX, RED RIVER ALLUVIAL, EVANGELINE, CATAHOULA, AND NORTH LOUISIANA TERRACE AQUIFERS
LOUISIANA NONPOINT SOURCE (NPS) MANAGEMENT PROGRAM	Managed 24 projects, developed work plan for $2.5 million federal grant, continued to support 6 watershed coordinators, completed or revised 15 watershed implementation plans and participated in 12 education and outreach events and reached approximately 4,500 people.

Management and Finance

SECTION	QUANTITY	METRIC
RECORDS MANAGEMENT	1,281	PUBLIC RECORD REQUESTS FULFILLED
RECORDS MANAGEMENT	15,257	PAGES PROVIDED TO PUBLIC
RECORDS MANAGEMENT	$10,122.24	COPY FEES COLLECTED
RECORDS MANAGEMENT	120	CUSTOMERS TO PUBLIC RECORDS CENTER ASSISTED
RECORDS MANAGEMENT	2,588,697	PAGES SCANNED PER YEAR
RECORDS MANAGEMENT	132,485	AVERAGE EDMS WEBSITE HITS PER MONTH
RECORDS MANAGEMENT	5,396,179	DOCUMENTS SUPPORTED BY EDMS
CUSTOMER SERVICE CENTER	14,727	PUBLIC INFORMATION CALLS
CUSTOMER SERVICE CENTER	588	PUBLIC INFORMATION E-MAILS
CUSTOMER SERVICE CENTER	362	AUDIO/WEB CONFERENCES SUPPORTED
CUSTOMER SERVICE CENTER	605	LOANER COMPUTER EQUIPMENT RESERVATIONS

FY13 ACTUAL EXPENDITURES					
EXPENDITURE CATEGORY	OFFICE OF THE SECRETARY	ENVIRONMENTAL COMPLIANCE	ENVIRONMENTAL SERVICES	MANAGEMENT AND FINANCE	DEQ TOTAL
SALARIES	5,853,009	19,318,285	9,984,164	5,492,312	40,647,770
OTHER COMPENSATION	472	5,357	0	153,614	159,443
RELATED BENEFITS	2,246,203	7,244,720	3,714,458	4,772,042	17,977,423
TRAVEL & TRAINING	30,516	304,332	23,601	7,568	366,017
OPERATING SERVICES	180,170	1,435,003	103,901	1,284,624	3,003,698
SUPPLIES	67,507	691,558	33,776	180,122	972,963
PROFESSIONAL SERVICES	3,403	1,721,142	150,100	1,164,604	3,039,249
OTHER CHARGES	1,876,556	2,736,505	61,597	21,937,842	26,612,500
CAPITAL OUTLAY	0	326,688	0	0	326,688
IAT	138,703	687,536	45,780	6,823,779	7,695,798
TOTAL	10,396,539	34,471,126	14,117,377	41,816,507	100,801,549



Contact Information

Regional Offices

Acadiana, Lafayette
Billy Eakin, Regional Manager
111 New Center Drive • Lafayette, LA 70508
P: 337.262.5584 • F: 337.262.5593

Northeast, Monroe
Larry Baldwin, Regional Manager
1823 Hwy 546 • West Monroe, LA 71292
P: 318.362.5439 • F: 318.362.5448

Northeast, Central Pineville
Larry Baldwin, Regional Manager
402 Rainbow Drive • Building 402
Pineville, LA 71360
P: 318.487.5656 • F: 318.487.5927

Northwest, Shreveport
Larry Baldwin
1525 Fairfield • Room 520
Shreveport, LA 71101
P: 318.676.7447 • F: 318.676.7573

Southeast, New Orleans
Mike Algero, Regional Manager
201 Evans Road • Bldg 4, Suite 420
New Orleans, LA 70123
P: 504.736.7701 • F: 504.736.7702

Southeast, Bayou Lafourche
Mike Algero
110 Barataria St. • Lockport, LA 70374
P: 985.532.6206 • F: 985.532.9945

Southwest, Lake Charles
Billy Eakin, Regional Manager
1301 Gadwall Street • Lake Charles, LA 70615
P: 337.491.2667 • F: 337.491.2682

Capital, Baton Rouge
Bobby Mayweather, Regional Manager
602 North 5th Street • Baton Rouge, LA 70802
P: 225.219.3015 • F: 225.219.3695

Division Contacts

Air Permits ..... P: 225.219.3181
F: 225.219.3408

Air Quality Assessment ..... P: 225.219.3550
F: 225.219.3708

Business And Community Outreach ..... P: 225.219.3951
F: 225.219.3971

Criminal Investigation Division ..... P: 225.219.3944
F: 225.219.3964

Emergency Response ..... P: 225.219.3640
F: 225.219.3695

Enforcement ..... P: 225.219.3715
F: 225.219.3708

Financial Services ..... P: 225.219.3863
F: 225.219.3868

Inspections ..... P: 225.219.3611
F: 225.219.4083

Permit Support Services ..... P: 225.219.3241
F: 225-219-3309
F: 225-219-3310

Public Records ..... P: 225.219.5337
F: 225.219.3175

Radiological Services ..... P: 225.219.3634
F: 225.219.3154

UST and Remediation Services ..... P: 225.219.3536
F: 225.219.3398

Waste Permits ..... P: 225.219.3181
F: 225.219.3158

Water Permits ..... P: 225.219.3181
F: 225.219.3309

Contact Information

Program Contacts

Brownfields Initiative ..... P: 225.219.2966
F: 225.219.3239

Clean Water State Revolving Fund ..... P: 225.219.3956
F: 225.219.3971

Community and Industry Relations/Ombudsman ..... P: 225.219.3985

Communications/ Media Relations ..... P: 225.219.3964
F: 225.219.3971

Drinking Water Protection ..... P: 225.219.3510
F: 225.219.3240

Enviroschool ..... P: 225.219.3954
F: 225.219.3971

Louisiana Environmental Leadership Program ..... P: 225.219.3954
F: 225.219.3971

Louisiana Clean Waters Program ..... P: 225.219.3388
F: 225.219.4083

Mercury Initiative ..... P: 225.219.3388
F: 225.219.4083

Motor Vehicle Inspection & Maintenance ..... P: 225.219.3719
F: 225.219.3240

Nonpoint Source ..... P: 225.219.3510
F: 225.219.3971

Ozone Action Program ..... P: 225.219.3966
F: 225.219.3971

Public Participation ..... P: 225.219.3276
F: 225.219.3309

Ready for Reuse Program ..... P: 225.219.3665
F: 225.219.3708

Recycling ..... P: 225-219-3388
F: 225.219.3156

Small Business and Small Community Assistance ..... P: 800.259.2890
P: 225.219.3969
F: 225.219.3971

Total Maximum Daily Load Program ..... P: 225.219.3366
F: 225.219.3582

Hotline Numbers

DEQ Customer Service Center ..... 225.219.LDEQ(5337)
Toll-Free 866.896.LDEQ

Single Point of Contact (SPOC) 225.219.3640
Toll-Free 888.763.5424

Beneficial Environmental Projects Hotline 225.219.3715

Be the Solution Hotline 225.219.3964

Illegal Dumping 225.219.3640
Toll-Free 888.763.5424

Mercury Information Hotline 800.305.6621

NiCad Battery Recycling Hotline ..... Toll-Free 800.822.8837
Toll-Free 800.BATTERY
225.219.3388

Recycling ..... Toll-Free (LA only) 800.305.6621

Used Oil Hotline ..... Toll-Free 800.305.6621

Contact Information

Office of Environmental Compliance

Office of Environmental Compliance
P.O. Box 4312
Baton Rouge, LA 70821-4312
P: 225.219.3710 F: 225.219.3708

Cheryl Nolan - Assistant Secretary
P: 225.219.3710 • cheryl.nolan@la.gov

Celena Cage - Enforcement
P: 225.219.3715 • celena.cage@la.gov

Tom Killeen - Inspection
P: 225.219.3615 • tom.killeen@la.gov

Radiological Services
P: 225.219.3634

Assessment
P: 225.219.3550

Tom Harris - UST and Remediation Services
P: 225.219.3716 • tom.harris@la.gov

Office of Environmental Services

Office of Environmental Services
P.O. Box 4313
Baton Rouge, LA 70821-4313
P: 225.219.3181 F: 225.219.3156

Sanford Phillips - Assistant Secretary
P: 225.219.3177 • sanford.phillips@la.gov

Scott Guilliams - Water Permits
P: 225.219.3187 • scott.guilliams@la.gov

Scott Guilliams - Waste Permits/Landfills
P: 225.219.3187 • scott.guilliams@la.gov

Tegan Treadaway - Air Permits
P: 225.219.3408 • tegan.treadaway@la.gov

Lourdes Iturralde - Permit Support Services
P: 219-3241 • lourdes.iturralde@la.gov

Office of the Secretary

Office of the Secretary
P.O. Box 4301
Baton Rouge, LA 70821-4301
P: 225.219.3953 F: 225.219.3971

Peggy M. Hatch - Secretary
P: 225.219.3950 • peggy.hatch@la.gov

Alex Appeaning, Ph.D. - Deputy Secretary
P: 225.219.3951 • alex.appeaning@la.gov

Communications Section - Gregory Langley
P: 225.219.3964 • gregory.langley@la.gov

Bijan Sharafkhani - Business & Community Outreach & Incentives
P: 225.219.3953 • bijan.sharafkhani@la.gov

Jeffrey Nolan - Criminal Investigation Division
P: 225.219.3944 • jeffrey.nolan@la.gov

Herman Robinson - Executive Counsel
P: 225.219.3980 • herman.robinson@la.gov

Legal Affairs
P.O. Box 4302
Baton Rouge, LA 70821-4302
P: 225.219.3985 F: 225.219.4068

Management & Finance

Office of Management & Finance
P.O. Box 4303
Baton Rouge, LA 70821-4303
P: 225.219.3840 F: 225.219.3846

Vince Sagnibene - Undersecretary
P: 225.219.3840 • vince.sagnibene@la.gov

Karyn Andrews- Financial Services
P: 225.219.3865 • karyn.andrews@la.gov

Notes

Notes

DEQ
LOUISIANA