## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

# 2016 ANNUAL REPORT

DEQ
LOUISIANA

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DEQ
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# Message From The Secretary

*DEQ Secretary Chuck Carr Brown, Ph.D.*

Looking back on the events of the past year, we are proud of our accomplishments in environmental protection. We continue to respond to challenges in fulfilling our mission to protect human health and the environment in Louisiana.

When I became LDEQ Secretary, I outlined the vision, mission and values that define LDEQ. The vision for LDEQ is to be "deemed as organization that provides environmental stewardship that exceeds expectations." Our mission is "protecting human health and the environment." And our core values are to:

- Make technically sound decisions rooted in science
- Conduct ourselves honestly and ethically
- Strive for continuous improvement
- Be accountable for our work
- Manage our resources effectively and efficiently to deliver value to the public
- Sustain our commitment to diversity

We are reaching out to all Louisiana communities with environmental concerns. We are reaching out to businesses and industry as well. When it comes to industry, we are sometimes faced with the question, "Who determines compliance?" Our emphatic answer is "We determine compliance." I am always advising consultants and advisors to industry not to come to our agency asserting they are compliant. We will determine that. If industries come to LDEQ with an attitude that they will cooperate and do what is necessary to be compliant, we will work with them and help them get into compliance. No industry, however, should base its bottom line on an expectation of lax enforcement by LDEQ.

Dealing with industry is just part of what LDEQ does. Since I took over as secretary at LDEQ, we have had to face many other challenges. We assisted in the aftermath of a series of tornadoes that began on Feb. 23. Two Louisiana residents were killed, and the tornadoes caused extensive property damage, power outages, school and business closures and partial shutdown of state agencies. DEQ's emergency response section jumped in to quickly support our first response partners as we handled everything from a ruptured electric transformer leaking potentially harmful oil to debris management.

The second week of March, three days of heavy rains hit Louisiana and adjacent states and sent swollen rivers and bayous out of their banks. Areas across the state experienced catastrophic flooding with water entering homes and businesses in parts of northeast, northwest, central, southwest and southeast Louisiana. Three lives were lost. Again, DEQ's emergency responders rose to the challenge, answering 77 calls; 13 of which concerned hydrocarbon releases, with most of the other calls relating to flooded sewage plants.

Several days of continuous rain saturated the Greater Baton Rouge area and parts of Acadiana in mid-August. By the time it slacked off, 31 inches of rain had fallen over a four-day period in 21 parishes. The result was an unprecedented, 1,000-year flood that inundated most of East Baton Rouge, Livingston and Ascension parishes and affected many more parishes. Thousands of homes were flooded. Roads were closed. Shelters were set up for people displaced by floodwaters. Once again, LDEQ responders rose to the occasion, marshaling personnel and using at least nine agency vessels in life-saving water rescues across the region. After the water receded, LDEQ personnel continued the mission to direct the debris collection work.

This agency has outstanding, professional people who pride themselves on being able to combine their talents in order to work well together. Despite what this past year has given us, we continued to do our jobs, inspect facilities, respond to emergencies, issue permits, enforce regulations, improve the state's water quality, provide training and more.

LDEQ has broadened its reach and capabilities. Our tissue sampling program that tests for mercury in fish was recently relaunched after a long hiatus. It allows us to evaluate state waterways for the presence of mercury. We also have a wider presence on social media, with our YouTube channel and Twitter and Facebook pages. Enviroschool and community outreach functions continue to steer citizens to the services we provide, and our sponsorship of the Greater Baton Rouge Food Bank has made an impact in refilling the Food Bank's supplies in the aftermath of the flood.

I am very proud that in the face of all of these recent incidents, we never lost sight of our mission to protect human health and the environment. We are stronger when we work together and that is how we have met the challenges of the past year and how we plan to approach the future.

Sincerely,

Chuck Carr Brown, Ph.D.

# About Chuck Carr Brown, Ph.D.

Dr. Chuck Carr Brown subscribes to a philosophy he developed called E.E.A.T, (Environmental Education, Access to decision makers, and Trust in the decisions that are made). On Jan. 11, he took on a new decision-making role: secretary of the Louisiana Department of Environmental Quality.

When Gov. John Bel Edwards named Brown secretary of the LDEQ, he knew what he was getting. The governor and Brown are both natives of Amite, La., and have known each other for years. It was an obvious choice for the governor -- Brown had previously worked at LDEQ in the mid-2000s, serving as assistant secretary for the Office of Environmental Services.

As secretary, Brown is responsible for facilitating the Department's Mission of providing service to the people of Louisiana through comprehensive environmental protection in order to promote and protect health, safety and welfare with a vision of being a respected steward of the State's environment. Dr. Brown oversees a department responsible for ensuring that the citizens of Louisiana have a clean and healthy environment to live and work in for present and future generations by regulating pollution sources, providing permitting activities consistent with laws and regulations, providing interface between the department and businesses and customers, conducting inspections of permitted facilities and activities, responding to environmental emergencies, issuing sound enforcement actions when needed and supplying the resources to focus on the issues with the highest potential for environmental impact. All of these responsibilities have national and international implications.

Brown possesses a B.S. in chemistry from the University of Southern Mississippi. He holds a Master of Public Administration from Southern University A&M College and a Doctorate of Philosophy in Public Policy/Environmental Policy from the Nelson Mandela School of Public Policy and Urban Affairs at Southern University A&M College in Baton Rouge. He is married to the former Cheryl Auzenne of Opelousas and has a daughter, Kayla, and a son, Nicholas.

When he accepted the LDEQ job, Brown left his position as president and CEO of Brown and Associates, LLC, a firm specializing in the delivery of environmental services, governmental relations and issue management. He also left his position as vice president of the Metro Service Group, a New Orleans-based firm that consults in waste collection, vertical and horizontal construction and emergency response. Additionally, he left his position as president and COO of Community Resource Services, a firm based in Hattiesburg, Miss., that develops capacity and capabilities of local minority owned businesses with the goal of enhancing their long term viability.

# State Of The Air

Louisiana is in attainment for all National Ambient Air Quality Standards (NAAQS). Air quality in Louisiana has been improving continually since the promulgation of the Clean Air Act in 1970. The Baton Rouge nonattainment area, East and West Baton Rouge parishes, Ascension, Livingston and Iberville parishes, produced data that indicated those parishes were in attainment for the pollutant ozone. LDEQ expects the Greater Baton Rouge area to be designated attainment for ozone soon.

On Oct. 1, 2015, the EPA announced a new National Ambient Air Quality Standard (NAAQS) for ozone, setting the new standard at 70 parts per billion (ppb). Based on current information (2013-2015), the historical Baton Rouge Nonattainment Area is the only area in Louisiana that does not meet the standard. However, areas will be designated based upon 2014-2016 monitoring data.

What is ozone and why is it important? Ozone (O3) is a highly reactive form of oxygen. At normal concentrations it is colorless and odorless. At high concentrations (often associated with thunderstorms or arcing electric motors), it is an unstable bluish gas with a pungent odor. Ozone is a major component of photochemical smog, although the visibility reduction and odor resulting from smog are produced by other pollutants such as particulates and nitrogen oxides.

Ground level ozone in high concentrations is considered an air pollutant, while stratospheric ozone in the upper atmosphere (12-30 miles above the ground) is critical for absorbing cancer-causing ultraviolet radiation.

Ozone is not emitted but formed when nitrogen oxides (NOx) and volatile organic compounds (VOC) react in the presence of sunlight. Volatile organic compounds come from automobile exhaust, gasoline vapors and chemical solvents (and also some vegetation). Nitrogen oxides come from burning fuels.

Gov. John Bel Edwards proclaimed May as Air Quality Awareness Month. It is the official start of ozone season here in Louisiana. Ozone formation rates are highest on sunny, dry days where there is little wind, which makes Louisiana a perfect blending place.

EPA established the Advance Program to assist communities close to nonattainment help in taking proactive measures. LDEQ actively implemented the Advance Program and is working with local governmental entities that have chosen to enroll in the free program designed to address both ozone and PM2.5 pollution (small particle). Local measures that are implemented to reduce pollution levels can be taken into account by EPA when future attainment designations are made.

According to EPA, belonging to Advance and having approved programs may provide local areas with additional time to reach compliance before being designated nonattainment. LDEQ staff has been working with governmental agencies across the state to get areas enrolled in the program. Metropolitan areas including Shreveport, Lake Charles, New Orleans, Lafourche-Terrebonne, Baton Rouge, Lafayette and Alexandria have elected to participate.

For more information, visit the Advance Program website at ***http://www.deq.louisiana.gov/portal/DIVISIONS/AirPermitsEngineeringandPlanning/NationalAmbientAirQualityStandards/Ozone/AdvanceProgram.aspx.***

There are many things that citizens can do to help improve air quality:

- Working in our gardens and recreational activities can cause unintended impacts on our air quality. Did you know that 20-30 percent of the fuel used to power carbureted 2-stroke engines (outboard motors, jet skis, chain saws, weed eaters and gas blowers) never gets burned and is released directly into the air or water? If you replace these with newer 4-stroke or direct fuel injection 2-stroke equipment you can save money and reduce pollution. Driving a motorboat with an outboard engine for one hour may make as much air pollution as driving a late model car for 800 miles.

- Sitting in drive-thru lanes at a fast food restaurant or other business impacts our air. Ten seconds of idling uses more fuel than restarting your engine. Restarting a car many times has little impact on engine components such as the battery and starter motor. Idling your vehicle with the air conditioning on can increase emissions by 13 percent. Excessive idling can be hard on your engine and because the engine isn't working at peak operating temperature, fuel doesn't undergo complete combustion.

- Reduce energy consumption in your home. This reduces the burden on the electrical grid, reduces power plant emissions and lowers your utility bill.

- Take your lunch to work to avoid driving in midday when ozone formation is really cranking up.

- Flexible work hours, telecommuting, combining errands and carpooling to work helps reduce the emissions that get into the air.

- Wait until later in the day, preferably after 6 p.m., to mow your lawn or fuel your car helps keep emissions out of the air in the heat of the day when sunlight is strongest.

- When you are grilling, use propane if possible.

All of these little things help our air quality a great deal. We can all be part of the solution.

## MAML Fiscal Year Activities

The Mobile Air Monitoring Laboratory (MAML) was deployed for monitoring and educational purposes for the citizens of Louisiana.

Here are the activities for the MAML:

**7/14/15** Stella Jones in Alexandria, LA

**11/3/15** Noranda Alumina near Gramercy, LA

**1/27/16** Noranda Alumina near Gramercy, LA

**3/1/16** Denka Performance Elastomers in LaPlace, LA

**3/8/16** Denka Performance Elastomers in LaPlace, LA

**4/5/16** Noranda Alumina near Gramercy, LA

**4/12/16** Vertex Refining Marrero, LA

**5/5/16** Denka Performance Elastomers in LaPlace, LA

**5/18/16** Vertex Refining Marrero, LA

**6/28/16** Presentation and Demonstration for University of New Orleans (UNO) environmental engineering students

# LDEQ resumes the mercury sampling program

Environmental scientists from LDEQ's Acadiana Regional Office visited Chicot Lake in Evangeline Parish July 20 to collect fish for testing as part of the department's mercury sampling program.

The last round of sampling fish for mercury was done in the spring of 2010, then changes in budgetary priorities forced the program into hiatus. A consent decree between LDEQ and NRG Louisiana Generating allocated funding to resume the program in late 2015 as part of a beneficial environmental project. Under the plan, 29 sites will be sampled in southwest Louisiana by the end of the year.

***LDEQ Environmental Scientist Staff Shane Miller (left) transfers sampled fish from a scoop net into a holding tank. The tentacle-like electrode apparatus (lower left) temporarily stuns nearby fish, which makes it easier for the team to select and retrieve a variety of species.***

Over the next three years, LDEQ expects to retest all water bodies currently under fish consumption advisories related to mercury. As data is collected under the program, the Louisiana Department of Health (LDH) will reevaluate the current fish consumption advisories for the sampled water bodies.

Since the team from LDEQ's Acadiana Regional Office has years of experience in conducting the fish sampling plan statewide, they conducted the initial runs and have begun training other regional offices on the procedure. So far, the Southwest Regional Office (based in Lake Charles) has undergone training, with the regional offices based in New Orleans and Baton Rouge slated to follow. This will allow each regional office to conduct sampling runs in their respective parishes, thereby facilitating a more streamlined approach and a faster turnaround.

Mercury can enter a water body through air pollution, chemical spills or discharges. Through a process known as bioaccumulation, if fish ingest natural food sources that are contaminated with mercury, anyone eating those fish may then take in unacceptable levels of mercury as well. A variety of health problems can ensue, so it's important to conduct sampling in order to gather scientific data to get a picture of how these waterways are faring.

To do that, the team sets out on a specialized fish sampling pontoon boat, which patrols the water body, stopping at various points where fish are most likely to gather (typically in areas around cypress trees, lily pads or around dense vegetation). Fish are then induced to the surface through two sets of electrode rigs (one positioned on either side of the boat) that hang over the front of the boat and are sunk just below the surface of the water.

The electrode apparatus (which resemble umbrella spokes) then deliver a charge that temporarily stuns any fish in the immediate vicinity. As those fish float to the surface, they are scooped up with nets and placed into a collection bin.

"We want a good representative sample of fish by length and species," said Shane Miller, LDEQ environmental scientist staff with the Acadiana Regional Office. "We look at what species of fish are listed on the advisory for the water body, and try to pull a variety of those." For Lake Chicot, a mercury advisory is listed for largemouth bass and bowfin. Game fish, those popularly fished for by anglers, are the targeted sample as those fish are more likely to be consumed by the public. Actual risk levels vary greatly depending on where and what fish are caught and how big they are, so it's vital to check the fish consumption advisory lists on the LDEQ website.

At Lake Chicot, the collected fish averaged between 10 and 17 inches in length and included largemouth bass, bluegill, bowfin (known as "choupique"), red-ear sunfish and black crappie.

***LDEQ Environmental scientists Corey Schwartzenburg (left) and Shane Miller measure and sort fish for processing at Lake Chicot in Evangeline Parish***

After LDEQ staff sorts through the catch, the fish are measured, evaluated, bagged by length and type and placed on ice. The next day, the team will clean the catch, then store it in a freezer. The fish will then be submitted to a lab at the University of Louisiana at Monroe, where technicians will analyze the species for any presence of mercury contamination.

Once those results are submitted back to LDEQ, a decision will be made in conjunction with LDH on whether safe consumption protocols or additional sampling events are necessary for the respective water body. LDH will then determine if the advisory for fish consumption can be removed or amended at that water body, and LDEQ will review any impaired waters for future sampling.

Since the goal is to ensure fish and waterways are free of mercury, it's imperative that communities are engaged in watchdog efforts that keep our lakes, bayous and rivers clean and free of any impairment. LDEQ encourages the public to report illegal dumping to LDEQ's SPOC hotline at: ***1-888-763-5424*** or by filling out an incident report form online at: ***http://www.deq.louisiana.gov/apps/forms/irf/forms/.***

For more information about LDEQ's mercury initiative, including a list of water bodies currently under an advisory, please visit the LDEQ website: ***http://www.deq.louisiana.gov/portal/PROGRAMS/MercuryInitiative.aspx***.

Additional information can be found on the Louisiana Department of Health website at: ***http://new.dhh.louisiana.gov/index.cfm/page/564***.

*LDEQ investigates illegal chemical dumping in New Orleans in May 2016. The responsible party was later arrested by LDEQ CIS.*

# Criminal Investigation Section investigates 98 leads culminating in hundreds of thousands of dollars in criminal fines during FY 2015-16

LDEQ's Criminal Investigation Section (LDEQ-CIS) consists of a team of investigators and an attorney tasked with law enforcement and investigation of environmental crimes throughout Louisiana. Through the assistance of local, state and federal law enforcement partners -- supported by tips and information from watchful citizens -- CIS works with the local district attorney to investigate an array of environmental crimes.

"The mission of LDEQ's Criminal Investigation Section is to investigate any matter pertaining to environmental criminal activity in the state of Louisiana," said Mike Daniels, LDEQ-CIS attorney. "We also host educational workshops and participate in outreach functions in order to inform the public on the environmental law and our mission to protect human health and the environment."

"Through our partnerships with governmental and law enforcement agencies, CIS has aggressively prosecuted individuals and businesses found to be conducting illegal activity such as environmental misconduct, permit violations and filing and/or maintaining false records," said Jeffrey Nolan, manager of LEQ-CIS.

Investigations cover a wide spectrum of environmental crimes, with most crimes involving illegal dumping or discharge of pollutants into waters of the state. Tips from the public are vital in assisting with investigations, and it's important that everyone is an environmental watchdog, as citizen involvement helps to maintain and preserve Louisiana's unique environment.

The following cases highlight a few of CIS's investigations over the past fiscal year:

## California business owner sentenced for violation of the Clean Air Act.

In July 2016, a California woman and her company were sentenced for a Clean Air Act violation. U.S. Attorney Kenneth A. Polite announced that Cheery Way, Inc., and Elaine Chiu, a resident of San Francisco, Calif., were sentenced by the Honorable Susie Morgan to five years of probation, a $500,000 fine, and $162,520 in restitution to workers for medical monitoring costs for violating notification requirements under the Clean Air Act.

In April 2011, Cheery Way and Chiu knowingly failed to notify and report to the LDEQ regarding the demolition of the Mississippi Queen Riverboat which contained regulated asbestos – containing wall and ceiling tiles. Under the Clean Air Act, the company was to notify LDEQ at least 10 days prior to the start of the demolition as required by the Clean Air Act.

Prior to the demolition, Chiu and agents of Cheery Way had been informed that samples of the wall and ceiling tiles on the old riverboat contained asbestos. However, Cheery Way did not inform the demolition contractor they hired that sampling had been performed. Cheery Way merely told the contractor that the riverboat "might" have asbestos.

The inexperienced demolition contractor told Chiu and Cheery Way that he did not believe the vessel contained any asbestos. As a result, workers were not required to take any precautions against an asbestos release. After receiving a tip about the worksite, LDEQ issued the site a Notice of Deficiency and work was stopped. The site was thereafter remediated by another Chiu company at a cost of $245,248.23.

During her five year term of probation, Chiu is prohibited from participating in any capacity in the construction, demolition, or renovation business anywhere in the United States and must ensure that none of the companies she owns or operates will engage in the construction, demolition or renovation business. Similarly, neither Cheery Way, Inc., or its agents or employees will engage in the construction, demolition or renovation business anywhere in the United States.

## New Orleans man arrested for illegal disposal of harmful substances and aggravated criminal damage to property.

In May 2016, CIS arrested a New Orleans man for felony illegal disposal of harmful substances and aggravated criminal damage to property. Orestes Linares, 54, of New Orleans, is alleged to have hauled chemicals to the Lower 9th Ward and dumped them in a vacant lot near a storm drain. On March 7, 2016, the city of New Orleans Fire Department and LDEQ Emergency Response personnel received a complaint from City Council employees about drums of chemicals leaking at the 2600 Block of Lizardi Street.

Emergency responders found nine drums leaking liquid chemicals which caused a chemical reaction and formed piles of orange colored foam. LDEQ-CIS investigators were able to retrieve identification labels from the drums and trace them back to the original owner, Construction 419 LLC. Investigators learned that Linares, a former employee of Construction 419 LLC, allegedly took the drums without permission, dumped them in the vacant lot on Lizardi Street and intentionally punctured them, allowing their contents to spill out on the ground near a storm drain.

The city of New Orleans had to hire a cleanup contractor to remove the dumped chemicals from the site. The estimated cost of cleanup was around $12,000.

If convicted of the crime of disposal of a substance that endangers or that could endanger human life or health, Linares faces possible imprisonment for not more than 10 years or a fine of not more than $100,000 or both. If convicted of aggravated criminal damage to property, he faces possible imprisonment for not less than one year nor more than 15 years or a fine of not more than $10,000 or both.

## Chalmette man arrested for the illegal disposal of waste tires.

In April 2016, CIS investigators arrested a Chalmette man for the illegal disposal of waste tires based upon an outstanding arrest warrant. Mohammad Mahmoud Allan, 33, owner of Affordable Wheel Covers is alleged to have abandoned a large number of waste tires at a building he was renting at 10920 Chef Menteur Blvd. in New Orleans.

Allan and his business were evicted from the building in February 2015. The owner of the building contacted LDEQ in April 2015 complaining of waste tires left behind by Allan. Inspectors and LDEQ-CIS investigators visited the building and found more than 500 waste tires located outside the building. Under LDEQ regulations, abandonment of waste is considered disposal.

If convicted of the crime of knowing illegal disposal of waste tires, Allan faces possible imprisonment for not more than one year or a fine of not more than $25,000 or both.

## Baton Rouge man arrested for filing false public documents.

In April 2016, CIS investigators and deputies with the East Baton Rouge Parish Sheriff's Office Warrants Section arrested a Baton Rouge man for felony filing false public documents. Randy Gabriel Dobard, 49, of Baton Rouge is alleged to have falsified and submitted an asbestos abatement supervisor training certificate in an attempt to receive his accreditation from DEQ.

Under LDEQ regulations, individuals who work around asbestos and supervise asbestos abatement workers are required to obtain training that covers the physical characteristics of asbestos, the potential health effects related to asbestos exposure, medical monitoring, air monitoring and a variety of other health and safety topics. To receive and maintain LDEQ accreditation, workers and supervisors must submit an asbestos accreditation affidavit form, proof of training from a LDEQ approved training provider, and an accreditation fee on an annual basis.

Dobard allegedly submitted a falsified asbestos supervisor training certificate to LDEQ. The certificate submitted by Dobard stated that he received training the week prior from a New Orleans area training contractor. Further investigation by LDEQ's Criminal Investigation Section revealed that the document contained a false certification number, false signatures and false training dates.

The training contractor listed on the document, Southern Center for Environmental Justice, Inc., cooperated fully in the LDEQ's investigation and verified that no asbestos supervisor training class had even been taught on the dates listed on the document submitted by Dobard.

If convicted of the crime of filing or maintaining a false public document, Dobard faces possible imprisonment for not more than five years with or without hard labor or a fine of not more than $5,000 or both.

## Avoyelles Parish man arrested for illegal disposal of waste tires.

In February 2016, deputies from the Avoyelles Parish Sheriff's Office arrested an Avoyelles Parish man for the alleged illegal disposal of waste tires in connection with a LDEQ criminal investigation. Over the past several months, investigators with LDEQ-CIS conducted a criminal investigation regarding the illegal tire disposal.

Investigators with LDEQ-CIS obtained two arrest warrants for Daniel Lachney, 52, of Marksville for both Avoyelles and Pointe Coupee parishes. Lachney was arrested in Avoyelles Parish in October 2015 for the Avoyelles warrant. In September 2014, Lachney began renting a house owned by Ricky Guillory located at 144 Humphrey's Loop in Hessmer. During the time that he was renting from Guillory, Lachney is alleged to have abandoned and illegally disposed of more than 2,000 waste tires on Guillory's property.

On Friday, Lachney was arrested by deputies from Avoyelles Parish and transported to Pointe Coupee Parish where he was booked for a second time on identical charges regarding the Pointe Coupee warrant. In August 2014, Lachney is alleged to have abandoned and illegally disposed of 622 waste tires on property owned by Joseph Barr located at 648 Bowman Road in Lettsworth.

If convicted in either parish for the knowing illegal disposal of waste tires, Lachney faces possible imprisonment for not more than 1 year or a fine of not more than $25,000 or both.

## Texas oil and gas company pleads guilty to felony in failing to provide notification of a hazardous discharge.

In December 2015, U.S. Attorney Kenneth A. Polite, announced that Walter Oil and Gas Company, a Texas corporation residing in Houston, pleaded guilty to failing to provide notification to the National Response Center of a hazardous discharge, in violation of Title 33, United States Code, Section 1321(b)(5)(C).

This charge relates to the company's oil and gas production in the Grand Isle area of the Gulf of Mexico.

According to court documents, Walter operated a subsea well for the purpose of extracting oil and gas, which would then be sent to the offshore platform identified as Grand Isle 115 by means of a submersed pipeline.
Walter Oil and Gas was tasked with ensuring that all material extracted from their subsea wells or introduced into the production pipeline, was managed properly and did not enter the waters of the United States. During oil and gas exploration and production, a paraffin plug sometimes develops which slows the flow in the pipeline connected to the subsea well and offshore platform. An ensuing investigation revealed that in Feb. 2014, personnel on the Grand Isle platform pushed hydrate inhibitor and paraffin solvent by way of a service line, to return the flow in the pipeline to an optimal level.

The attempt to clear the plug was unsuccessful and a pipeline remediation plan was developed, which included the recovery of the pipeline to the surface for the removal of any paraffin plugs. On March 31, 2014, while conducting the pipeline remediation project, a portion of the material leaked into the Gulf of Mexico by way of a malfunctioning release valve. The chemical components included Xylene, Quarternary Ammonium Chloride, Ethylbenzene and Isopropyl - 2 - Alcohol, which are defined by federal statute as hazardous substances.

The leaked quantity legally required Walter to provide notice to the National Response Center. No notification was provided and no attempts to remedy the spilled waste were conducted. On April 1, 2014, the pipeline remediation project was continued but was unsuccessful, and personnel left open a connection that allowed a further leak into the Gulf of Mexico. Had the connection been closed rather than left open to leak, another day of work to remedy the situation would have cost approximately $200,000.

## U.S. District Court Judge Nannette Jolivette Brown set formal sentencing for March 10, 2016.

As part of the guilty plea, the company agrees to pay a total monetary penalty of $400,000 and serve a two-year term of probation.

If accepted by the Court, the $400,000 monetary penalty will be divided as follows: $320,000 to the United States Treasury, $40,000 to LDEQ, $30,000 to the Louisiana State Police Emergency Services Unit and $10,000 to the Southern Environmental Enforcement Network.

## New Jersey man and Louisiana man plead guilty to illegal disposal of wastes.

A New Jersey man and a Sulphur man were sentenced Sept. 17 in the 31st Judicial District Court for violating Louisiana waste disposal laws and the Environmental Quality Act. George L. Ryals III, 63, of Newton, N.J., and Michael Anaker, 57, of Sulphur, illegally disposed of a large number of compressed gas cylinders by abandoning them in a warehouse in Roanoke.

LDEQ-CIS investigators arrested Ryals and Anaker in June 2014 for illegal disposal of harmful substances. In 2009, Ryals, president of Stillwater Consultants LLC and Anaker, his employee, abandoned a large number of compressed gas cylinders at a warehouse leased by Stillwater at 8050 Bryan Road in Roanoke in Jefferson Davis Parish. The owner of the leased warehouse, Crop Production Services (CPS), evicted Stillwater Consultants in June 2009 for failure to pay rent.

In July 2009, representatives of CPS visited the property and found that over 500 compressed gas cylinders and several drums of waste oil had been abandoned inside the warehouse. Under LDEQ regulations, abandonment of wastes is considered an illegal disposal. In August 2009, the Louisiana State Police, Emergency Services Unit, (LSP/ESU), made entry into the warehouse and found cylinders containing chlorine, cyanogen chloride, cyanogen, phosgene, sodium cyanide and hydrogen cyanide. Many of the cylinders were in poor, deteriorating condition, and in danger of leaking.

Due to the hazards discovered on-site, the LDEQ issued a Declaration of Emergency Aug. 14, 2009, which required CPS to mitigate and remove the substances that may threaten the health, safety and welfare of nearby citizens. CPS cooperated fully with the subsequent cleanup and investigation. Agents from LSP, the EPA's CIS and the New Jersey Attorney General's Office also participated in the investigation.

Ryals and Anaker each pleaded guilty in the 31st Judicial District Court and were sentenced. In accepting Ryals and Anaker's pleas, 31st Judicial District Judge C. Steve Gunnell ordered Ryals to pay a $1,000 fine and $24,000 in restitution

to the responding agencies. Anaker was sentenced to a $500 fine and $1,000 in restitution to the responding agencies. The case was prosecuted by District Attorney Michael C. Cassidy, Assistant District Attorney Kevin Millican and Special Assistant District Attorney Michael Daniels, LDEQ's Criminal Enforcement Counsel.

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CIS' work was vast and varied during the fiscal year, with the receipt of 98 leads, 23 cases opened for investigation and 11 cases referred to the district attorney. CIS's investigations produced six months of jail time, plus 190 months of probation time for those convicted of participating in environmental criminal activity.

Through the judicial system, CIS's investigatory activities have prompted the issuance of $322,950 in criminal fines, plus more than $28,857 in total restitution, with $135,000 of the recovered monies being used for beneficial environmental projects that are put back into Louisiana for activities that benefit the environment.

In total, CIS' endeavors have produced 327 hours of community outreach along with more than 122 hours of criminal and administrative assists in support of other agencies.

# LDEQ 2016 Environmental Leadership Program Awards presented

LDEQ hosted the Environmental Leadership Awards at the LDEQ headquarters in March. DEQ Secretary Dr. Chuck Brown was joined by Sen. Mike Walsworth, chair, Senate Environmental Quality Committee, and Rep. Stuart Bishop, chair, House Natural Resources and Environment Committee, to recognize environmental achievements. Members of Environmental Leadership Program were commended for their voluntary pollution prevention efforts, community environmental outreach initiatives and environmental management systems that went above and beyond regulatory compliance to improve the environment.

***ExxonMobil employees accept the Large Business Achievement Award in Pollution Prevention Protection from Sen. Mike Walsworth (l), Rep. Stuart Bishop (r) and Dr. Brown.***

ELP Awards were presented to large, medium and small businesses, municipalities and academia. Fifteen new ELP members, who joined in 2015-2016 were recognized. This year, DEQ presented 11 awards in recognition of the following:

**Pollutants reduced by the projects:**

- 11,191,587 pounds (lbs) of pollutants including nitrates, NOx, CO2, greenhouse gases, solid waste, E-waste, polyethyl polyol residual
- 553,416 gallons (gals) of diesel fuel
- 135 cubic yards of aquatic debris

**Pollutants reused:**

- 52,560,000 gals cooling tower blowdown water

**Pollutants recycled:**

- 1,960,684 gals used oil, hydrocarbon-contaminated water
- 1,500,000 lbs e-waste

"The Environmental Leadership Awards highlight the proactive efforts of school, industry and communities to take ownership in their environment," said Dr. Brown. "The award projects go a long way to improve our environment and set a good example."

The ELP began in 1995 as a cooperative effort between DEQ and participating companies in the state. Today, any company, federal entity, municipality, non-governmental organization, school or university committed to improving the quality of the state's environment is eligible to join the program. For more information about the ELP, please contact Linda Hardy at ***225-219-3954*** or visit the DEQ website at ***www.deq.louisiana.gov/elp***.

# 2016 ELP Award Winners

**Republic Services of Baton Rouge: Baton Rouge, LA**
**CNG Solid Waste Collection Fleet and Fueling Stations**
Republic Services is being awarded the Environmental Leadership Program (ELP) Special Recognition Award in Pollution Prevention for systematically replacing its current fleet of diesel powered trucks with new compressed natural gas (CNG) powered vehicles. The three-year program is now in its second year with 75 collection vehicles currently running on CNG. Depending on the specifications, the CNG vehicles range from $270,000 to $310,000 each. Republic also constructed slow fill and fast fill fueling stations. This project represents a significant local investment in cleaner, safer and more efficient vehicles and facilities. Each new CNG solid waste collection and recycling truck not only reduces ozone emissions by 80 percent but also reduces noise when compared to diesel powered trucks. CNG vehicles produce 85 percent reduction in NOX emissions and 23 percent reduction in greenhouse gases. Completion of the three year project will produce benefits of removing 500 vehicles from the road annually.

**ExxonMobil Refinery: Baton Rouge, LA**
**Biox Basins Wastewater Treatment Project**

ExxonMobil Refinery is receiving the Environmental Leadership Program (ELP) Large Business Achievement Award in Pollution Prevention for investing in a denitrification treatment step as part of a project to replace two Biox basins with new Biox tanks. The "tank-in-tank" design helps to reduce nitrate emissions in wastewater discharges to the Mississippi River well below levels required by the regulations thereby vastly improving the water quality in the Mississippi River. As a result of the installation of the Biox Basins Wastewater Treatment Project, the refinery was able to reduce nitrate emissions by 1.4 million pounds in 2015, greater than 80 percent nitrate removal compared to the previous year. This reduction moved the refinery from being ranked the 18th largest TRI nitrate emitter to the 49th overall contributor. The denitrification treatment step went well above and beyond regulatory requirements for wastewater treatment and remains consistent with Exxon's efforts to proactively reduce nitrate emissions in wastewater discharges.

**Rubicon, LLC: Geismar, LA**
**Reduction of Hazardous Waste (Polyethyl Polyols) Project**
Rubicon is being awarded the Environmental Leadership Program (ELP) Large Business Achievement Award in Pollution Prevention for implementing a waste minimization/pollution prevention strategy to recover usable product in waste streams and minimize waste generation and disposal. One polyethyl polyol produced in the unit routinely produced a "heel" or residual material that is classified as a hazardous waste requiring disposal via incineration. A multi-departmental team developed a better alternative for management of the residual material with waste minimization and pollution prevention as the primary goal. A new process for the residual material was established and ultimately decreased the inventory of 280,000 pounds of residual material that normally would have been disposed off-site as a hazardous waste via incineration.

**Alliance Compressors: Natchitoches, LA**
**Energy Conservation Project**
Alliance Compressors is receiving the Environmental Leadership Program (ELP) Recognition Award in Pollution Prevention for installing six new Corporate Standard Airboards. The airboards are used to test all of the compressors that are manufactured at the plant. The new Corporate Standard Airboards use dry air to charge the compressors and are more efficient. During the test, the old Air Boards consumed dry air which required an extensive amount of electricity whereas the new equipment effectively reduced the amount of dry air required to perform the test. The change to the new airboards reduced electrical energy by approximately 188 tons of CO2 annually.

**Marathon Petroleum: Garyville, LA**
**Cooling Water Tower Beneficial Reuse Project**
Marathon Petroleum is receiving the Environmental Leadership Program (ELP) Recognition Award in Pollution Prevention for developing a project to reduce water consumption/discharge. Marathon has nine cooling water towers, most of which repurpose their cooling water blowdown. Cooling Water Tower #9 sends 144,000 gallons per day (gpd) in blowdown (water drained form cooling towers to prevent mineral buildup) directly to the wastewater treatment plant. Marathon seized this as an opportunity to repurpose the 144,000 gpd for Coker quench water, which is used to cool petroleum coke at the end of the coking cycle. The Coker requires nearly 600,000 gpd, usually supplied by clarifiers. Every gallon of blowdown water that can be beneficially reused displaces a gallon of water withdrawn from the Mississippi River. Additionally, because less water is withdrawn from the river, fewer chemicals are required in the water clarifiers and in treating the water at the wastewater treatment plant. Decreasing water intake/discharge has led to an overall reduction in electric consumption that is required to pump this water to/from the Mississippi River.

**Capital Area Corporate Recycling Council: Baton Rouge, LA**
**Protecting the Environment One BYTE at a Time Project**

Capital Area Corporate Recycling Council (CACRC) is receiving the Environmental Leadership Program (ELP) Achievement Award in Pollution Prevention for working with 22 municipalities and businesses involved in community recycling events that diverted 173,810 pounds of electronic material from landfills. CACRC was also able to recycle another 1.5 million pounds from drop-offs and collections. Computers, laptops, monitors, and other material that could be refurbished were given a new life in the community to help bridge the digital divide for many families. CACRC is the only non-profit R2 RIOS [spell out what this acronym is for lay readers] certified recycler in the state and follows its recycled material to end of life, ensuring environmental protection while helping offer low cost refurbished material to low income families, schools, non-profits, veterans, seniors and when possible, the general public.

**PSC Industrial Outsourcing - Norco: Norco, LA**
**PSC ISO-14001 Certification Project**
PSC Industrial Outsourcing-Norco is receiving the Environmental Leadership Program (ELP) Achievement Award in Environmental Management Systems for the ISO-14001 Certification Project. PSC Norco is the first ISO-14001 accredited Environmental Management System for industrial service, to properly manage risks and improve efficiencies supporting the main attribute of reducing hazardous wastes for client(s). Internally recognized as Fresh Start, the EMS has propelled upgrades which have led to increased eco-efficiencies by reducing natural gas consumption by 20 percent and operating at a 20 percent lower fuel rate. The secondary effect involve the reduction of hazardous waste through recovering oil for reuse and eliminating remaining hazardous constituents in the process. PSC hopes to duplicate the entire EMS and operation at the Norco Site in future contract work in order to gain ISO-14001 accreditation by 2018.

**Port of New Orleans: New Orleans, LA**
**Your Port: Keep It Clean Campaign**
The Port of New Orleans (Port NOLA) is receiving the Environmental Leadership Program (ELP) Achievement Award in Community Environmental Outreach for implementing the Your Port: Keep It Clean Campaign Project. This project was a commitment to an inclusive and transparent stakeholder outreach and education process to address a common issue with innovative solutions: litter and debris in our waterways. Port NOLA developed a multi-media communications and awareness building campaign targeting Port employees, customers, and businesses; identified the need for a resource directory for cleanups and recycling needs across the community; and formed a new program to bring awareness to the community about water quality through public art with a purpose. “The campaign was a first ever effort by the Port to include and engage stakeholders from all sectors in environmental stewardship.” (Coastal Cargo, stakeholder)

**Lafayette Consolidated Government & Bayou Vermilion District: Lafayette, LA**
**Trash Trap Project**
Lafayette Consolidated Government (LCG) & Bayou Vermilion District (BVD) are receiving the Environmental Leadership Program (ELP) Achievement Award in Pollution Prevention for installing a litter trap in the channel referred to as “Coulee Mine Branch”. The Bandalong Trash Trap Project was a collaborative effort between LCG and BVD to remove debris from a tributary of the Vermilion River, to promote litter reduction, and to protect our waterways. The targeted channel travels through downtown Lafayette and University of Louisiana at Lafayette’s campus, as well as other commercial and residential areas. Before the trap was installed, a large amount of litter and vegetative debris would enter the Vermilion River, flow southward through Vermilion Parish, Vermilion Bay and eventually enter the Gulf of Mexico. Working together, LCG and BVD were able to collect 135 cubic yards of debris while expanding Public Education and Outreach strategies by encouraging citizens to keep our waterways clean.

**Louisiana State University: Baton Rouge, LA**
**Get Caught Green-Handed Project**
Louisiana State University is receiving the Environmental Leadership Program (ELP) Recognition Award in Pollution Prevention for implementing an extensive marketing and educational campaign targeting game-goers at the LSU vs. Arkansas game. LSU Campus Sustainability Team participated in the GameDay Recycling Competition for the 2015 football season in an attempt to recycle as much game day waste as possible while educating the LSU community on recycling and furthering LSU’s commitment to sustainability and pollution prevention. LSU won first place in the nation and in the SEC in the GameDay challenge by recycling over 86,000 pounds of waste. Additionally, thousands of tailgaters received educational information on the benefits of recycling. The “Get Caught Green-Handed” campaign encouraged game attendees to upload a photo of themselves recycling on social media.

**Advanced Specialized Carriers: Pineville, LA**
**Pollution Prevention & Beneficial Reuse Project**
Advanced Specialized Carriers (ASC) is being awarded the Environmental Leadership Program (ELP) Honorable Mention Award in Pollution Prevention for promoting the reduction of hazardous waste. Through its many cleanup activities, ASC recycled approximately 2 million gallons of hydrocarbon contaminated water and recycled 72,192 gallons of used oil. ASC has added 8 new ecofriendly trucks to its fleet, thereby promoting a cleaner, safer environment through the use of the cleaner burning engines. ASC also promotes fuel blending and waste to energy for all hazardous waste.

# LDEQ establishes social media presence

In addition to its Facebook page, the Louisiana Department of Environmental Quality has expanded its presence on social media by creating a YouTube channel and Twitter handle. Links to those sites can be accessed through their respective icons on LDEQ's website.

Content on Twitter will consist of emergency alerts and critical messages as well as community outreach events and links to LDEQ press releases which will be posted on the LDEQ website.

Short instructional videos, tutorials and messages from LDEQ staff covering a variety of environmental topics will be on the YouTube channel.

The primary source for up to date information will continue to be the agency website at: www.deq.louisiana.gov, with Facebook, Twitter and YouTube serving as supporting platforms that will be reference points for information, videos and photos of LDEQ activities.

For news and information, please follow us at the following portals:

**Website: www.deq.louisiana.gov**

**Facebook: https://www.facebook.com/LouisianaDEQ**

**Twitter: @LOUISIANA_DEQ**

**YouTube: Louisiana Department of Environmental Quality**
**Direct link: https://www.youtube.com/channel/UCP0mXFCk7gdZRpyAJYxDIRw**

# LDEQ Criminal Investigation Section's Maureen Kennedy honored at KLB banquet

LDEQ's Maureen Kennedy was one of seven recipients of "Everyday Hero" Awards presented by Lt. Gov. Billy Nungesser at the Hilton Baton Rouge Capitol Center Heidelberg Ballroom Sept. 28 during the Keep Louisiana Beautiful awards banquet.

The "Everyday Hero" award for Law Enforcement – which related to enforcement of state, parish and city litter and illegal dumping laws – was presented to Kennedy, criminal investigator with LDEQ's Criminal Investigation Section (CIS).

"We are proud of Maureen and the work she does to help keep Louisiana beautiful," LDEQ Secretary Chuck Carr Brown said. "Illegal dumping is something that we at LDEQ will not tolerate. Remember, 'Love the Boot, Don't Pollute!'"

*Lt. Governor Billy Nungesser (l) and Andy Johnson, board chairman KLB (r) present Maureeen Kennedy, LDEQ CIS, with her Everyday Hero award.*

Kennedy has been with LDEQ since 2002 and is currently a senior member of the Louisiana Environmental Crimes Task Force working with the EPA's Criminal Investigation Division. She has conducted multiple state and federal investigations related to the Clean Air Act, the Clean Water Act, and the Resource Conservation and Recovery Act. She also investigates violations of state statutes concerning solid waste, underground storage tanks and waste tires.

Kennedy's performance has proven beneficial to the Department's mission and strengthened bonds with LDEQ's federal partners. She is an asset to LDEQ CIS, EPA CID, and the state of Louisiana. Her efforts, along with the work of the LDEQ CIS staff serves as a significant deterrent for illegal dumping and other environmental crimes in the state.

Other awards presented were Most Innovative Program, Youth Leadership, Outstanding Affiliate, Corporate Leadership, the Golden Can Award and the Alice Foster Award to an individual volunteer for exceptional leadership.

# Appendix

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# Office Of The Secretary

| COMMUNICATIONS | |
|---|---|
| PRESS RELEASES | 51 |
| DISCOVER DEQ E-NEWSLETTERS | 12 |
| PRESS CLIPPINGS | 8,625 |
| TV AND RADIO SELF BOOKINGS | 32 |
| ENVIROFLASH SUBSCRIBERS | 2,257 |
| GRAPHICS | 106 |

| LEGAL AND REGULATION DEVELOPMENT | |
|---|---|
| COURT APPEARANCES | 247 |
| PLEADINGS PREPARED | 118 |
| LEGAL CONSULTATIONS | 60,201 |
| PUBLIC HEARINGS | 43 |
| COOPERATIVE AND SETTLEMENT AGREEMENTS NEGOTIATED | 66 |
| ETHICS CONSULTATIONS | 284 |
| REGULATION PACKAGES PREPARED AND REVIEWED | 100 |
| ENFORCEMENT ACTIONS REVIEWED | 593 |
| FEES AND PENALTIES COLLECTED | $3,744,249.03 |

| CRIMINAL INVESTIGATION DIVISION | |
|---|---|
| NUMBER OF LEADS RECEIVED | 99 |
| NUMBER OF CASES OPENED | 24 |
| NUMBER OF CRIMINAL/ADMINISTRATIVE ASSISTS | 57 (122.75 HOURS) |
| NUMBER OF OUTREACH ACTIVITIES | 81 (327 HOURS) |
| NUMBER OF CRIMINAL CASES REFERRED TO DA | 13 |
| NUMBER OF DEFENDANTS SENTENCED | 17 |
| JAIL TIME | 7 MONTHS |
| PROBATION | 190 MONTHS |
| CRIMINAL FINES | $ 322,950.00 |
| RESTITUTION | $28,857.50 |
| COST OF INVESTIGATION | $8,390.00 |
| BENEFICIAL ENVIRONMENTAL PROJECT | $135,000.00 |

| ENVIRONMENTAL LEADERSHIP PROGRAM NEW MEMBERS | |
|---|---|
| BUSINESSES | 111 |
| FEDERAL FACILITIES | 4 |
| MUNICIPALITIES | 48 |
| ACADEMIA | 38 |
| NON-GOV'T ORGS | 11 |
| TOTAL MEMBERS | 212 |

| ENVIROSCHOOL | |
|---|---|
| NUMBER OF ATTENDEES | 228 |
| NUMBER OF SESSIONS | 18 |
| NUMBER OF TOPICS | 4 |
| NUMBER OF INSTRUCTORS | 11 |

# Office Of The Secretary

| SMALL BUSINESS/SMALL COMMUNITY ASSISTANCE PROGRAM REGULATORY COMPLIANCE ASSISTANCE | | |
|---|---|---|
| COMPLIANCE ASSISTANCE | 1,403 | 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 | 2,206 | 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 | 1,191 | PROVIDE THE INFORMATION ON ENVIRONMENTAL REGULATION TO SMALL BUSINESSES AND COMMUNITIES PER REQUEST. |
| WORKSHOPS/SEMINARS | 106 | 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 2015 | $999,725,576 |
| NUMBER OF LOANS SINCE INCEPTION (1990) TO FY 2015 | 218 |
| VALUE OF LOANS CLOSED IN FY 2015 | $77,969,300 |
| NUMBER OF LOANS CLOSED IN FY 2015 | 9 |

| NONPOINT SOURCE AND SURFACE WATER/AQUIFER PROTECTION | |
|---|---|
| SOURCE WATER ASSESSMENT | COLLECTED GPS DATA FOR APPROXIMATELY 42 WATER SYSTEMS WHICH INCLUDED LOCATIONS FOR 110 POTENTIAL SOURCES OF CONTAMINATION AND 8 WATER WELLS |
| SOURCE WATER/WELLHEAD PROTECTION | PROTECTION STRATEGIES IMPLEMENTED FOR 63 WATER SYSTEMS; APPROXIMATELY 1,850 PEOPLE EDUCATED ON DRINKING WATER SOURCE PROTECTION; DISTRIBUTED 133 DRINKING WATER PROTECTION HIGHWAY SIGNS; APPROVED 31 CONTINGENCY PLANS; 168 POTENTIAL SOURCES OF CONTAMINATION EDUCATED ON BEST MANAGEMENT PRACTICES; 13 ORDINANCES WORKED ON; ESTABLISHED AND WORKED WITH 2 SOURCE WATER PROTECTION COMMITTEES WITH A TOTAL OF 20 VOLUNTEERS IN 2 PARISHES; 1 SOURCE WATER PROTECTION VIDEO(S) DISTRIBUTED; 76 AQUIFER RECHARGE MAPS DISTRIBUTED |
| AQUIFER SAMPLING AND ASSESSMENT PROGRAM | 52 WATER WELLS SAMPLED THAT PRODUCE WATER FROM THE CHICOT EQUIVALENT, SPARTA, CARRIZO-WILCOX, RED RIVER ALLUVIAL, EVANGELINE, CATAHOULA, NORTH LOUISIANA TERRACE, AND CARNAHAN BAYOU AQUIFERS |
| LOUISIANA NONPOINT (NPS) MANAGEMENT PROGRAM | MANAGED 24 PROJECTS ON AVERAGE, DEVELOPED WORK PLANS FOR 1.7 MILLION FEDERAL GRANT, CONTINUED TO SUPPORT 2 WATERSHED COORDINATORS AND 2 WATERSHED GROUPS, COMPLETED OR REVISED 3 WATERSHED IMPLEMENTATION PLANS, DEVELOPED 3 STRATEGIC ASSESSMENT PLANS, AND PARTICIPATED IN 12 EDUCATION AND OUTREACH EVENTS AND REACHED APPROXIMATELY 3,820 PEOPLE. |

# Office Of Environmental Compliance

| SURVEILLANCE: INCIDENTS | |
|---|---|
| ACADIANA REGION* | 815 |
| CAPITAL REGION | 1,759 |
| NORTHEAST REGION | 769 |
| NORTHWEST REGION | 485 |
| SOUTHEAST REGION | 1,725 |
| SOUTHWEST REGION | 434 |
| TOTAL | 5,987 |
| **INCLUDES 265 FROM PARISH RE-ASSIGNMENT, FROM NE TO AR* | |

| SURVEILLANCE: INSPECTIONS | |
|---|---|
| ACADIANA REGION* | 695 |
| CAPITAL REGION | 836 |
| NORTHEAST REGION | 329 |
| NORTHWEST REGION | 381 |
| SOUTHEAST REGION | 1,161 |
| SOUTHWEST REGION | 294 |
| TOTAL | 3,696 |
| **INCLUDES 235 FROM PARISH RE-ASSIGNMENT, FROM NE TO AR* | |

| ENFORCEMENT: TOTAL ACTIONS ISSUED | |
|---|---|
| AIR | 261 |
| HAZARDOUS WASTE | 77 |
| MSE | 0 |
| RADIATION | 286 |
| SOLID | 396 |
| UST | 239 |
| WATER | 683 |
| TOTAL NUMBER OF ENFORCEMENT ACTIONS | 1,942 |
| PENALTY ASSESSMENTS | 10 |
| EXPEDITED PENALTY AGREEMENT AND NOTICE OF POTENTIAL PENALTY | 265 |
| TOTAL PENALTY AMOUNT ASSESSED | $347,938.32 |
| SETTLEMENTS/ AGREEMENTS | 63 |
| TOTAL SETTLEMENT AGREEMENT | $1,949,953.50 |
| TOTAL BEP VALUE | $2,139,400.00 |
| UST COMPLIANCE SCHOOL | N/A |
| SWAT COMPLIANCE SCHOOL | 96 ATTENDED |

| RADIATION SURVEILLANCE | |
|---|---|
| X-RAY | 1,182 |
| RADIOACTIVE MATERIALS | 298 |
| FDA MAMMOGRAPHY QUALITY STANDARDS ACT | 145 |

| RADIATION SERVICES | |
|---|---|
| RADIOACTIVE MATERIALS SERVICES LICENSES | 676 |
| REGISTRATIONS | 924 |
| CERTIFICATIONS | 942 |
| INDUSTRIAL RADIOGRAPHY TESTS ADMINISTERED | 671 |
| TESTS PASSED | 448 |
| TESTS ORDERED AD PAID FOR | 753 |

| ENFORCEMENT: DISCHARGE MONITORING REPORTS (DMRS) | | |
|---|---|---|
| DMRS RECEIVED | # DMRS | # PAGES |
| INDIVIDUAL PERMITS MAJORS | 7,734 | 38,458 |
| INDIVIDUAL PERMITS NON MAJORS | 12,442 | 40,236 |
| GENERAL-NON STORMWATER PERMITS | 31,400 | 69,866 |
| STORMWATER PERMITS (NON CONSTRUCTION) | 418 | 1,201 |
| STORMWATER PERMITS (CONSTRUCTION) | - | - |
| UNPERMITTED FACILITIES | 141 | 278 |
| TOTAL | 52,135 | 150,039 |
| DMRS RECEIVED VIA NETDMR | # DMRS | # PAGES |
| INDIVIDUAL PERMITS MAJORS | 6,064 | 25,286 |
| INDIVIDUAL PERMITS NON MAJORS | 4,825 | 13,405 |
| GENERAL-NON STORMWATER PERMITS | 10,861 | 23,709 |
| STORMWATER PERMITS (NON CONSTRUCTION) | 32 | 150 |
| TOTAL | 21,782 | 62,550 |

| EMERGENCY RESPONSE | |
|---|---|
| SPILLS | 723 |
| COMPLAINTS | 64 |

| SINGLE POINT OF CONTACT | |
|---|---|
| SPILLS PROCESSED | 3,780 |
| COMPLAINTS PROCESSED | 2,866 |
| WRITTEN NOTIFICATION PROCESSED | 2,756 |

# 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.<br><br>ON AVERAGE, 97 ARE OPERATING AT ANY GIVEN TIME, 65 OF WHICH OPERATE CONTINUOUSLY AND THE REMAINING 32 OPERATE ON SET SCHEDULES.<br><br>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 4,100 CANISTERS PER YEAR WITH 14 SITES SAMPLING WHEN CONTINUOUS MONITORS DETECT A PRE-DETERMINED CONCENTRATION FOR A GIVEN PERIOD OF TIME FOR AN ADDITIONAL 175 CANISTERS PER YEAR. EACH CANISTER IS ANALYZED FOR ABOUT 60 INDIVIDUAL COMPOUNDS WITH MANY RECEIVING TWO SEPARATE ANALYSES. |
| OXIDES OF NITROGEN (NOX) | 9 MONITORS (6 IN THE BATON ROUGE AREA). NOX COMBINES WITH VOCS TO FORM OZONE. |
| OZONE | 22 MONITORS (10 IN THE BATON ROUGE AREA) |
| SULFUR DIOXIDE ($SO_2$) | 6 MONITORS (2 IN THE BATON ROUGE AREA) |
| CARBON MONOXIDE (CO) | 2 MONITORS (1 IN THE BATON ROUGE AREA) |
| LEAD (PB) | 4 MONITORS, SAMPLES COLLECTED AND ANALYZED EVERY SIX DAYS |
| PARTICULATE MATTER 10 (PM10) | 5 MONITORS |
| PARTICULATE MATTER 2.5 (PM2.5) | 28 MONITORS STATEWIDE; 10 OF WHICH OPERATE CONTINUOUSLY AND 18 THAT COLLECT SAMPLES ON A TIMED SCHEDULE |

| REMEDIATION SERVICES | |
|---|---|
| PRELIMINARY EVALUATION ASSESSMENT (PEA) | 8 |
| INVESTIGATION WORK PLANS | 111 |
| INV AND CA IMPLEMENTATION REPORTS | 332 |
| CA WORK PLANS | 95 |
| UST COST ESTIMATES | 0 |
| MONITORING REPORTS | 608 |
| NO FURTHER ACTION | 110 |
| NO FURTHER INTEREST | 43 |
| VRP COMPLETION | 4 |
| INSPECTIONS | 1,030 |
| PERMIT APPLICATION REVIEWS | 43 |
| TECHNICAL ASSISTANCE REVIEWS | 14 |
| NON-TEMPO DEFINED TASKS | 116 |

| UNDERGROUND STORAGE TANK | |
|---|---|
| INVESTIGATION WORK PLANS | 79 |
| INV AND CA IMPLEMENTATION REPORTS | 222 |
| CA WORK PLANS | 76 |
| UST COST ESTIMATES | 28 |
| MONITORING REPORTS | 294 |
| NO FURTHER ACTION | 76 |
| NO FURTHER INTEREST | 52 |
| VRP COMPLETION | 0 |
| INSPECTIONS | 877 |
| NON-TEMPO DEFINED TASKS | 13 |
| UST SUPPORT | |
| RECEIVE APPLICATION | 631 |
| ADMINISTRATIVELY/TECHNICALLY REVIEWED | 600 |
| ISSUE ANNUAL TANK CERTIFICATE | 3,972 |
| CREATE ASSESSMENT | 119 |
| ISSUE NOTICE OF DEFICIENCY | 192 |
| ISSUE CORRECTED DEFICIENCY | 213 |
| ISSUE DEFICIENCY CLEAR | 201 |
| ISSUE NOTICE OF POTENTIAL DELIVERY PROHIBITION | 88 |
| SUBMITTED FOR CIRCUIT RIDER REVIEW | 476 |
| FORWARD TO ENFORCEMENT | 198 |

# Office Of Environmental Services

| PUBLIC PARTICIPATION GROUP | |
|---|---|
| PUBLIC COMMENTS RECEIVED | 1,175 |
| PUBLIC HEARINGS CONDUCTED | 18 |
| PUBLIC NOTICES MAILED OUT (HARD COPIES) | 66,587 |
| PUBLIC NOTICES PUBLISHED | 487 |
| SUBSCRIBERS TO E-MAIL PUBLIC NOTICE SERVICE | 2,270 |
| SUBSCRIBERS TO MAIL-OUT PUBLIC NOTICE SERVICE | 2,049 |

| PERMIT APPLICATIONS ADMINISTRATIVE REVIEW | |
|---|---|
| TOTAL APPLICATIONS PROCESSED (AIR, WATER, SOLID WASTE, HAZARDOUS WASTE, BIOSOLIDS & NOCS) | 6,710 |
| - AIR | 2,537 |
| - WATER | 2,550 |
| - SOLID WASTE | 167 |
| - HAZARDOUS WASTE | 89 |
| - BIOSOLIDS | 44 |
| - NAME/OWNERSHIP/OPERATOR CHANGES (NOCS) PROCESSED FOR FINAL DECISION (MULTI-MEDIA) | 1,323 |
| EXPEDITED PERMIT REQUESTS PROCESSED | 338 |

| TEMPO SUPPORT GROUP | |
|---|---|
| CONDUCT CHANGE REQUESTS | 9,203 |
| CREATE NEW MASTER FILES (AIS) | 3,711 |
| REQUIREMENTS LOADED INTO TEMPO | 1,459 |
| SYSTEM SERVICE REQUESTS COMPLETED | 112 |
| TEMPO SECURITY REQUESTS COMPLETED | 85 |

| SOLID WASTE | |
|---|---|
| GENERATORS (INDUSTRIAL) REGISTERED (IN YEAR) | 65 |
| GENERATORS (INDUSTRIAL) REGISTERED (TOTAL) | 1,974 |
| LANDFILL OPERATORS CERTIFIED | 95 |
| SEWAGE SLUDGE HAULER APPLICATIONS PROCESSED | 316 |
| TRANSPORTERS REGISTERED (IN YEAR) | 67 |
| TRANSPORTERS REGISTERED (TOTAL) | 2,425 |

| LEAD | |
|---|---|
| ACCREDITATIONS ISSUED (FORM LPF-1) | 335 |
| LICENSED CONTRACTORS RECOGNIZED | 66 |
| PROJECT NOTIFICATIONS PROCESSED (FORM LPF-3) | 45 |
| TRAINERS RECOGNIZED | 15 |
| TRAINING PROVIDERS RECOGNIZED | 8 |

| LABORATORY ACCREDITATION | |
|---|---|
| IN-STATE LABORATORIES ACCREDITED (NEW) | 2 |
| IN-STATE LABORATORIES ACCREDITED (TOTAL) | 49 |
| IN-STATE LABORATORIES AUDITED | 20 |
| OUT-OF-STATE LABORATORIES ACCREDITED (NEW) | 9 |
| OUT-OF-STATE LABORATORIES ACCREDITED (TOTAL) | 146 |
| OUT-OF-STATE LABORATORIES AUDITED* | 37 |
| *PERFORMED BY CONTRACTORS | |

| HAZARDOUS WASTE | |
|---|---|
| ANNUAL REPORTING REPORTS PROCESSED | 602 |
| GENERATORS DELISTED | 90 |
| GENERATORS REGISTERED (IN YEAR) | 457 |
| GENERATORS REGISTERED (TOTAL) | 4,734 |
| HAZARDOUS WASTE GENERATED BY LARGE QUANTITY GENERATORS (TONS) | 5,322,869 |
| TRANSPORTERS REGISTERED (IN YEAR) | 20 |
| TRANSPORTERS REGISTERED (TOTAL) | 694 |
| POLLUTION CONTROL EXEMPTION DETERMINATIONS COMPLETED (PER ACT 910) | 23 |

# Office Of Environmental Services

| ASBESTOS | |
|---|---|
| ASBESTOS RENO/DEMO NOTIFICATIONS (FORM AAC-2) | 1,527 |
| ASBESTOS DISPOSAL VERIFICATION FORMS ISSUED (ADVFS) | 2,761 |
| REGULATED ASBESTOS DISPOSED IN LA LANDFILLS (CU YDS) | 45,305 |
| TOTAL ASBESTOS ACCREDITATION WORK PRODUCTS COMPLETED (FORMS AAC-1,AAC-3, & AAC-4) | 2,823 |
| - ACCREDITATIONS ISSUED (FORM AAC-1) | 2,686 |
| - TRAINING PROVIDERS RECOGNIZED (FORM AAC-3) | 31 |
| - TRAINERS RECOGNIZED (FORM AAC-4) | 106 |
| ASBESTOS MANAGEMENT PLAN ACTIVITIES COMPLETED | 53 |

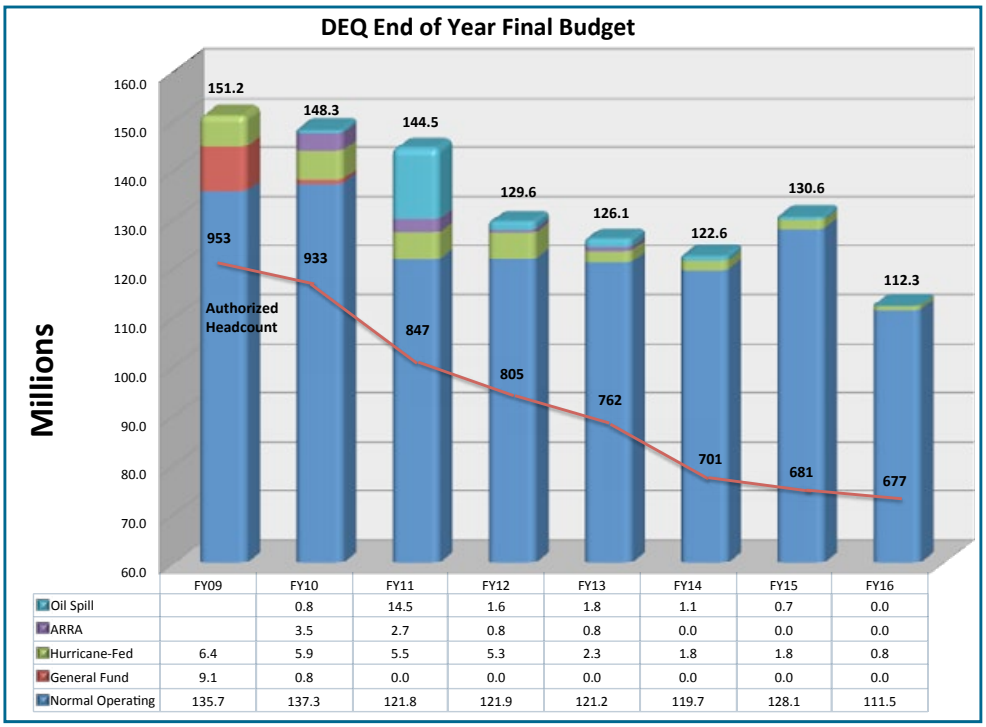
| PERMIT DECISIONS ISSUED | |
|---|---|
| AIR QUALITY PERMITS DIVISION WORK PRODUCTS COMPLETED | 2,479 |
| SOLID WASTE WORK PRODUCTS COMPLETED | 474 |
| TREATMENT, STORAGE, AND DISPOSAL (HAZARDOUS WASTE) WORK PRODUCTS COMPLETED | 192 |
| INDIVIDUAL WATER QUALITY PERMIT ACTIONS ISSUED, INCLUDING MASTER GENERALS | 324 |
| GENERAL WATER QUALITY PERMIT ACTIONS ISSUED, INCLUDING STORMWATER | 3,243 |
| NAME/OWNERSHIP/OPERATOR CHANGES COMPLETED (FINAL DECISION)(MULTI-MEDIA) | 1,330 |

| WATER QUALITY | |
|---|---|
| TOTAL MAXIMUM DAILY LOAD (TMDL) AND WATER QUALITY MODELING | DEVELOPED DRAFT RESTORATION PLAN FOR FECAL COLIFORM IN TUNICA BAYOU (070505). BEGAN DEVELOPMENT OF A SAMPLING PLAN AND DISCHARGER EVALUATIONS FOR BAYOU SARA (070501). INITIATED ACTIVITIES IN 6 OTHER PRIORITY SUBSEGMENTS IN ACCORDANCE WITH "A LONG-TERM VISION FOR ASSESSMENT, RESTORATION, AND PROTECTION UNDER THE CLEAN WATER ACT SECTION 303(D) PROGRAM." DEVELOPED A DRAFT REVISED TMDL FOR DISSOLVED OXYGEN AND NUTRIENTS FOR BAYOU L'EAU BLEU (120303) BASED ON REVISED DISSOLVED OXYGEN CRITERIA. EVALUATED AND COMMENTED ON 26 SURFACE WATER WITHDRAWAL APPLICATIONS ALONG WITH LDNR AND LDWF. |

# Office Of Management And Finance

| SECTION | QUANTITY | METRIC |
|---|---|---|
| RECORDS MANAGEMENT | 1,209 | PUBLIC RECORD REQUEST FILLED PER YEAR |
| RECORDS MANAGEMENT | 14,131 | PAGES PROVIDED TO PUBLIC PER YEAR |
| RECORDS MANAGEMENT | $1,253.65 | COPY FEES COLLECTED PER YEAR |
| RECORDS MANAGEMENT | 2,566,774 | PAGES SCANNED PER YEAR |
| RECORDS MANAGEMENT | 122,302 | AVERAGE EDMS WEBSITE HITS PER MONTH |
| RECORDS MANAGEMENT | 6,099,632 | DOCUMENTS SUPPORTED BY EDMS |

| FY15 ACTUAL EXPENDITURES | | | | | |
|---|---|---|---|---|---|
| EXPENDITURE CATEGORY | OFFICE OF THE SECRETARY | ENVIRONMENTAL COMPLIANCE | ENVIRONMENTAL SERVICES | MANAGEMENT AND FINANCE | DEQ TOTAL |
| SALARIES | 5,578,074 | 19,223,154 | 10,475,883 | 2,217,999 | 37,495,110 |
| OTHER COMPENSATION | 18,000 | 0 | 8,000 | 218,043 | 244,043 |
| RELATED BENEFITS | 2,585,776 | 9,166,377 | 5,154,780 | 4,394,782 | 21,301,715 |
| TRAVEL & TRAINING | 56,350 | 189,093 | 50,500 | 11,500 | 307,443 |
| OPERATING SERVICES | 168,969 | 1,626,129 | 96,757 | 981,506 | 2,873,361 |
| SUPPLIES | 64,173 | 715,294 | 36,513 | 113,018 | 928,998 |
| PROFESSIONAL SERVICES | 24,750 | 1,941,998 | 0 | 1,350,360 | 3,317,108 |
| OTHER CHARGES | 2,274,364 | 6,225,017 | 309,233 | 26,052,569 | 34,861,183 |
| CAPITAL OUTLAY | 189,482 | 582,315 | 52,961 | 10,464,408 | 11,289,166 |
| IAT | 0 | 456,669 | 0 | 3,000 | 459,669 |
| TOTAL | 10,959,938 | 40,126,046 | 16,184,627 | 45,807,185 | 113,077,796 |



# Contact Information

## Regional Offices

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F: 225.219.3408

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**Business And Community Outreach** ..... P: 225.219.3951
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**Criminal Investigation Division** ..... P: 225.219.3944
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**Emergency Response** ..... P: 225.219.3640
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**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: 225.219.3719

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

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

**Mercury Initiative** ..... P: 225.219.3189
F: 225.325.8104

**Motor Vehicle Inspection & Maintenance** ..... P: 225.219.3625
F: 225.325.8254

**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

**Recycling** ..... P: 225-219-3452
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: 225.219.3217
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

**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

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