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Record breaking daily heat causes drought and statewide burn ban for Louisiana

This summer, the excessive heat and many days over 100, has caused drought and other problems for the citizens of Louisiana. It prompted the State Fire Marshall, Dan Wallis and Agriculture and Forestry Commissioner Mike Strain to issue a statewide burn ban. The ban restricts private burning unless approved and does not affect prescribed burning. While agricultural and vegetative waste burning can be legal, LDEQ reminds residents that any open burning of household waste, solid waste and chemicals is illegal in the state of Louisiana and during a drought could cause wildfires, damage and destruction.



Open burning is harmful to those conducting the open burn as well as their families, neighbors, pets and livestock. The ash generated from an open burn of these materials, contains toxic materials that contaminate our air, soil and ground water. When burned, household trash releases toxic pollutants into the air such as hydrogen chloride, hydrogen cyanide, phosgene, sulfur dioxide, dioxin, carbon monoxide and heavy metals. These pollutants can cause health problems for anyone nearby. Health impacts include damage to the lungs, nervous system, kidneys and liver. Asthma, chronic bronchitis, emphysema and cancer are other potential problems.

Those without trash pickup service should deliver their waste to a landfill for proper disposal if possible and doing so is protective of public health and the environment. It helps you do your part in preserving our Sportsman's Paradise and preventing fire and the destruction it can bring during a drought.

Here are some alternatives to open burning:

- Reduce, Recycle and Reuse as much as possible.
- Compost vegetative matter such as eggshells, coffee grounds and fruit/vegetable peelings for your garden.
- Take Household paint, chemicals and waste tires to a Household Hazardous Materials Day event for disposal – free of charge. Check your city or parish for locations.
- Used fluorescent light bulbs, batteries and plastic grocery bags are accepted for recycling at many big box stores.
- Electronics (laptops, iPhones, etc.) you no longer need are accepted by the CACRC at www.cacrc.com.
- Deliver any household waste to a landfill or trash disposal location within your city or parish.

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- Construction and demolition waste should be disposed of at permitted landfills, municipal incinerators or other state-approved facilities.
- Spread the word. Talk to your neighbors the importance of not open burning for your and your family's health and the environment and during a burn ban, protection.

LDEQ encourages citizens to watch for open burning activity and to protect yourself as well as your family and your neighbors. Report any open burn of waste tires, household debris, oil or chemical waste to your local law enforcement authorities as well as LDEQ at 1-888-763-5424, the single point of contact complaint line, Citizens should also submit an incident report online at www.deq.louisiana.gov/page/file-a-complaint-report-an-incident. Reports can be anonymous, but a phone number is required for a call back if further details are needed. Be sure to document the exact location and parish, time/date, materials being burned, parties involved and as much detail as possible in order to better assist authorities with an investigation. Please view LDEQ's video on Open Burning: www.youtube.com/watch?v=3yunEs3aYGY.

To read the regulations on open burning go to www.deq.louisiana.gov/assets/docs/About_LDEQ/enviroschool/33v03-201107.pdf.

To see the LDEQ State of Louisiana comprehensive Plan for Disaster Clean-up and Debris Management at www.deq.louisiana.gov/assets/docs/Solid-Waste/DebrisManagementPlanrevised093021.pdf.

STATEWIDE BURN BAN ISSUED DUE TO CONCERNING DRY CONDITIONS

Due to the extremely dry conditions statewide and the concern over first responder safety in these dangerously high temperatures, State Fire Marshal Dan Wallis, along with Agriculture and Forestry Commissioner Mike Strain, has issued a statewide cease and desist order for all private burning, pursuant to authority under R.S. 40:1602.

Private burning shall be allowed only by permission of the local fire department or local government.

This order is effective as of 5 p.m., Aug. 7, 2023, and shall remain in effect until rescinded.

This ban shall not apply to prescribed burns by the Department of Agriculture and Forestry, by those trained and certified by the Department of Agriculture and Forestry, or by those who conduct prescribed burning as a "generally accepted agriculture practice" as defined by the Louisiana Right to Farm Law

(R.S. 3:3601 et seq.).

The use of barbecue grills, fire pits and small campfires for brief, recreational COOKING purposes are allowed and not affected by the burn ban.

THE BURN BAN WAS REVISED ON AUGUST 25: All outdoor burning including agriculture is prohibited. This will be strictly enforced with fines up to \$500.



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Message from the Secretary

Roger W. Gingles



LDEQ Secretary Roger Gingles

We've had droughts in Louisiana before. But we've never had one quite as severe or as prolonged as this one. Couple it with triple-digit temperatures and low humidity, and you've got a recipe for wildfire. That's why there is a burn ban in place for all of Louisiana. We need to stick to it. One glance at the news will tell you that wildfires have been breaking out all over the state, more than 300 since the beginning of August.

Just don't open burn outside. Forgo that barbecue. Don't toss a cigarette down. Don't burn anything that produces embers that might get lifted up and start a fire in your neighbor's yard or a park or a field or a playground. Don't put firefighters at risk. Don't destroy someone else's property. Don't create an emergency condition. Just don't do it. We've had a few showers, especially in the past week, but the storms haven't brought enough rain to end the fire threat.

While I am at it, let me remind you that the same conditions that are creating the fire danger are also making it dangerous to work outside. When it's 102 or 101, it's not safe to work long stretches outside. If you are doing an inspection outside or responding to a complaint, be aware of how hot you are getting. Drink lots of fluids. Take frequent breaks. Get in the air-conditioning when you get a chance. Don't work alone. Check on your co-workers. Make sure they are getting plenty of fluids too.

Keep your eye on the weather forecasts for the next few weeks. We are entering peak hurricane season, and while it is good to get some rain, the trees are stressed from the drought and any wind will send lots of branches falling onto electric lines and homes. Let's hope we get rain and not wind.

I want to recognize Rebecca Otte, our Statewide Brownfield Program coordinator. She was awarded the State & Local Brownfield Leadership Award at the National Brownfields Training Conference in Detroit Aug. 9. It's quite an honor to be recognized by her fellow Brownfields professionals. Our Brownfield program is a particular source of pride for me, and I brought Rebecca aboard at this agency when I was Assistant Secretary for Assessment. Congratulations, Rebecca!

I just got back from Colorado. I was at the Environmental Council of the States Fall Meeting in Boulder. It was good to interact with so many environmental directors from other states. Good work is going on all across the country. Sometimes it doesn't seem that way – especially if you read the newspapers – but they rarely tell the whole story. I am excited about all the progress that is being made in areas like remediation, alternative fuels and water and air quality. Really good people are working hard to get good results.

Speaking of water, I was at the groundbreaking for the Mid-Barataria Diversion Project Aug. 10. Gov. Edwards was there to turn over a shovelful of dirt. It's amazing that this project will divert part of the flow of the Mississippi River near Belle Chase and send it into the marshes where it will build new ground. It's not enough to stem land loss to coastal erosion, of course, but it's a step toward a solution to that problem. We have much work left to do in the fight against coastal erosion.

Last but not least, it's time for another holiday! You all have a safe and happy Labor Day on Sept. 4! Don't open burn and don't overheat, but enjoy some good food and football. Go Tigers! Go Jags!



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Historic wildfire season occurs across Louisiana

Louisiana has faced extreme heat and extreme drought during the latter half of this summer. These weather conditions are some of the worst Louisiana has ever seen. The combined effects of the heat, drought and low humidity levels have led to wildfires spreading around the state.

Last weekend, Governor John Bel Edwards said that Louisiana had 441 active fires. This indicated that the original burn ban needed to be modified. The statewide open burn ban that was put into effect earlier this month to prevent unnecessary manmade fires still allowed some burning. But, as of Aug. 28, all 64 Louisiana parishes have been placed under a Red Flag Warning, meaning there cannot be any manmade fires of any kind created outside. The Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) has activated the State Emergency Operations Center to manage wildfires across Louisiana. There are 17 parishes in a state of emergency. That is almost a third of the 64 Louisiana parishes.

According to the Louisiana Department of Agriculture and Forestry (LDAF), some of the 441 wildfires burning in Louisiana are spreading at an uncontrollable rate. As of this writing, the largest fire is the Tiger Island Fire at Merryville in Beauregard Parish. This fire has burned an estimated 60,000 acres of forest and fields. It burns five miles every 15 minutes, according to the Beauregard Parish Sheriff's Office, and is only 50% contained.

Unpredictable winds have spread the wildfire smoke across the state. The air quality index for the majority of the southern part of Louisiana is "Moderate." The air quality index has reached "Unhealthy for Sensitive Groups" in Lake Charles.

There have been two declared deaths from the fires and 22 buildings have been destroyed. Evacuation orders have been declared in Beauregard Parish and in parts of Vernon Parish.

Wildfires aren't new to Louisiana, but we have never seen this extent of them in our state. It is essential that we follow the restrictions of the burn ban. Wet weather would be the solution. We can hope there is a rainy autumn on the horizon.



Marissa Jimenez of Outreach and Small Business Assistance is sixth LDEQ podcast guest

The Louisiana Department of Environmental Quality (LDEQ) Communications Section has ventured into a new project, starting an official LDEQ podcast. Each month, the podcast, "LDEQ On Air," features one guest answering questions about his or her role at LDEQ. The goal of the podcast is to inform the public about how issues are handled at LDEQ, how LDEQ is organized, the people behind the processes at LDEQ and answers to questions about agency issues.

The sixth episode features LDEQ Environmental Scientist Manager of Outreach and Small Business Assistance Program as she discusses the functions of the Small Business Assistance Program and her role in LDEQ outreach efforts. Next month will feature LDEQ Business Analytics Specialist Tomeka Prioleau as she discusses the Louisiana Envirothon competition and the process of making it possible.

To listen, visit the LDEQ webpage at www.deq.louisiana.gov/podcast. LDEQ On Air is also available on Spotify, Apple Podcasts and Google Podcasts. If you have any questions or would like to submit question suggestions, please email the LDEQ Communications Section at SECTCOMMUNICATIONS@la.gov.



Louisiana Envirothon team places 11th overall at NCF competition

The winning team from this year's Louisiana Envirothon traveled to Canada this summer to participate in the international Envirothon competition and placed 11th overall out of 49 teams.

Baton Rouge Magnet High School (BRMHS) seniors Brandon Lin, Sarah Thomas, Andrew Z. Wang, James Xu and Louisa Zhu make up the BRMHS Tree Huggers. They won the 2023 Louisiana Envirothon competition in March and traveled with BRMHS Environmental Science teacher Josetta LeBoeuf and Social Studies teacher Richard Paddie to Tantramar (previously Sackville), New Brunswick, Canada, from July 23 to July 29 to compete in the National Conservation Foundation (NCF) Envirothon competition. They competed against 48 national and international Envirothon teams at Mount Allison University.

The students were excited for the opportunity to travel to Canada for the competition. "It felt really nice to represent Louisiana," Zhu said. "We were glad to be able to represent the state as a whole, Baton Rouge High and the Louisiana Envirothon. It was a fun time!"

"We want to give a special thank you to LDEQ for not only providing the opportunity for student learning but also for funding us financially to get there, LeBoeuf said. "We couldn't have done it without LDEQ."

The students spent months preparing for the competition by learning about the different topics such as aquatics, forestry, soils and wildlife. Louisiana Envirothon partner agencies including the Louisiana Department of Agriculture & Forestry, Louisiana Department of Environmental Quality, the Louisiana Department of Wildlife and Fisheries and the USDA Natural Resources Conservation Service prepared the team this summer at the LSU AgCenter Botanic Gardens and other locations. "We studied each individual section over the summer and attended many trainings held by Louisiana Envirothon," Thomas said. "The trainings definitely prepared us for the international competition."

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The BRMHS Tree Huggers



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The team handed out Louisiana goodies to fellow competition participants.



The BRMHS Tree Huggers spoke in front of judges during the Orals section of the competition

This year's current issue theme was Adapting to a Changing Climate. The students placed fifth overall in the category. "This year's theme was incredibly important. Climate change is a huge issue. Our youth are not educated about it nearly enough as they should be," Xu said. "The competition placed a lot of focus on practical measures everyone can take. It was great hearing our generation can be the change we want to see in the world."

When they weren't studying and participating in the competition, the students toured the area, experienced the Canadian landscape and bonded with other teams, such as the Envirothon team from Walla Walla Washington. "The weather was so nice, but it surprisingly wasn't much different from Louisiana," Wang said. "We had a great time meeting and bonding with the other teams. We made memories we will remember forever. The restaurants were delicious. Overall, there was a nice small town charm we felt while in Canada."

The students hope they can participate in the 2024 Louisiana Envirothon so they can have a chance to compete in the 2024 NCF Envirothon competition next year that's being held in Geneva, New York from July 28 to August 3.

When asked if they believe they can win the NCF Envirothon competition next year, the team gave a resounding "yes!" "We are ready to take the gold next year," Lin said.

"2023 was an outstanding year for Louisiana Envirothon," Tomeka Prioleau said. Prioleau is Louisiana Envirothon Program Director and LDEQ Business Analytics Specialist. "We had a great turnout of new and former participants who wanted to immerse themselves into learning to solve environmental and natural resource problems. All of the teams really connected with the Climate Change current issue this year, and we were excited to send a team to the international competition. The team not only did very well competition wise, but they learned a lot that can be applied to complex issues right here in Louisiana. We are so proud of the BRMHS Tree Huggers on their great accomplishment, and we hope this inspires other teams to see what Envirothon is all about and join us for 2024."

The Baton Rouge Magnet High School Tree Huggers have made Louisiana proud with their success.



Brownfields Coordinator receives Leadership Award



Lloyd Kirk, Director, Office of Business & Regulatory Affairs of the Oklahoma Dept. of Environmental Quality (Left) and Linda Garczynski, Analyst with MDB, Inc. (Right) presents the State & Local Brownfields Leadership Award to Rebecca Otte, LDEQ Brownfields Coordinator (Middle) at the National Brownfields Training Conference.

LDEQ Brownfields Coordinator Rebecca Otte received the recognition of her peers at the National Brownfields Training Conference in Detroit, Aug. 9. The National Brownfields Training Conference brings together stakeholders from government, industry and the community to share knowledge and best practices on the remediation and redevelopment of contaminated properties, known as Brownfields. One of the highlights of the 4-day event is the presentation of the Phoenix Awards, and Otte was awarded the State & Local Brownfields Leadership Award.

“I didn’t know they nominated me, so it was a surprise,” Otte said. The Louisiana Brownfields Association nominated Otte, and the National organization gave her notice of the award about a week before the conference so she ‘would actually go to the award ceremony’.”

Brownfields sites are vacant and underutilized properties where actual or suspected environmental issues are a barrier to redevelopment. Under the Office of Environmental Assessment, Remediation Division, LDEQ’s Brownfields

Program partners federal, state and local resources to facilitate the reuse of Brownfields sites throughout the state. Addressing potential environmental issues, especially financial and regulatory hurdles, is often intimidating, creating a barrier to the redevelopment or expanded use of these sites. LDEQ’s Brownfields Program helps convert these properties from community liabilities into community assets by assisting local governments and communities navigate the environmental process from investigation to cleanup and redevelopment.

With 41 sites enrolled in the LDEQ Targeted Brownfields Assistance Program since 2018, the agency’s Brownfields Team has plenty to be proud of, including such high profile projects at the St. Rose de Lima renovation in New Orleans, Bottle Arts urban renewal project in Lafayette and Shreveport Common revitalization project.

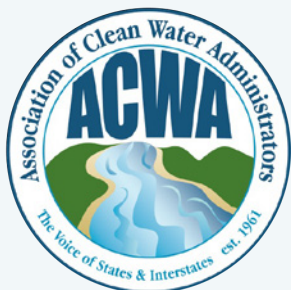
“I’m so honored that the Louisiana Brownfields community nominated me for this award and so grateful to be selected,” Otte said in accepting the award. “When I started in Brownfields at the Regional Planning Commission almost 20 years ago, I attended a get together of all the Brownfields grantees in the New Orleans region and I remember being impressed that (current LDEQ secretary) Roger Gingles and Duane Wilson, my predecessors who started LDEQ’s Brownfields Program, attended the meeting. They provided me with constant support and sometimes a little funding to help grow RPC’s Program. They also worked hard to support all the Brownfields Programs throughout the state. When they asked me to come work for the State Brownfields Program, I knew I wanted to continue their legacy.

“I’m especially fortunate to work with Jennifer Schatzle and Ashlyn Holmes as partners in LDEQ Brownfields Team. I wouldn’t be able to do all the outreach and support I’m able to without their expertise, hard work and attention to detail on the technical side of the program. I also get to work with so many great people across all of LDEQ’s divisions who are willing to collaborate with us on our projects and do the background work needed for a successful program. It makes such a difference to work with colleagues who are willing to work together toward a common goal.”

Otte said she is looking forward to the 2023 Louisiana Brownfields Conference which will be held Oct. 25-26 in Convention Hall, 915 3rd St. in Alexandria. The state conference is a free 2-day event that offers information, resources and expert advice on Brownfields topics like prioritizing Brownfields sites and building an inventory, attracting developers to rural communities, EPA guidance on Infrastructure Investment and Jobs Act (IIJA) Funding, navigating the adjudication process for blighted tax delinquent properties, accessing resources for Brownfields projects and more. Registration for the conference is available at www.deq.louisiana.gov/form/2023BrownfieldsConferenceRegistration.



Amanda Vincent, PhD is the new President of the Association of Clean Water Administrators (ACWA)



Amanda Vincent, Administrator of the Louisiana Department of Environmental Quality Water Planning and Assessment Division, Office of Environmental Assessment was elected President of the Association of Clean Water Administrators at their annual meeting in Boise, Idaho.

This past year Amanda served on the Executive Committee as Vice President. Vincent has also previously served on the ACWA Board of Directors as the Region 6 Representative and on the ACWA Executive Committee as Treasurer.



Amanda Vincent

ACWA's goal is to be the national voice for state and interstate water programs and provide a forum through committees, workshops and face-to-face meetings for states/interstates and EPA to come together on important water program topics. ACWA members are the state, interstate and territorial officials who are responsible for the implementation of surface water protection programs throughout the nation. ACWA has committees such as Watersheds; Monitoring Standards and Assessment; Nutrients Policy; and Permitting, Compliance and Enforcement in which LDEQ staff routinely participate.

"ACWA is an excellent organization for state water programs, and I am thrilled to be serving as President of ACWA for this coming year," Vincent said. "ACWA promotes opportunities for states to discuss important water program topics directly with EPA early on in EPA's development process."

Vincent works with the Hypoxia Task Force and the Nutrient Reduction and Management Strategy. For more information go to the LDEQ website at www.deq.louisiana.gov/page/nutrient-management-strategy.

Former LDEQ Secretary Dr. Chuck Carr Brown honored

Former LDEQ Secretary Dr. Chuck Carr Brown was honored by Gov. John Bel Edwards with a special signed document at a reception at the Louisiana Governor's Mansion Aug. 21. Brown was among a group of former cabinet members who were honored at the event.

Also honored were former Special Assistant to the Governor Chip Kline, former LWC Secretary Ava Cates, former DOTD Secretary Shawn Wilson, former State Fire Marshal Butch Browning and former LDH Secretary Courtney Phillips.



(Left to Right) Former LDEQ Secretary Dr. Chuck Carr Brown and Gov. John Bel Edwards



Gulf Hypoxia “Dead Zone” mapped and is smaller than expected

Every year in late July, Louisiana State University (LSU) University and Louisiana Universities Marine Consortium (LUMCON) and scientists from NOAA board the R/V Pelican (Research Vehicle) to map the bottom area of low oxygen in Louisiana coastal waters west of the Mississippi River. This is commonly known as the “Dead Zone”. This year the cruise was July 23-28 and the dead zone was estimated to be 7,920 square kilometers (3,060 square miles). The Dead Zone is an area of low to no oxygen that can kill fish and marine life. That’s almost two million acres of habitat potentially unavailable to fish and bottom species.

The 2023 size of the Dead Zone is the seventh smallest in 37 years of coast wide hypoxia data. The size is less than the state of New Jersey, or just over 13 times the size of Lake Pontchartrain, LA. The five-year running average of hypoxia is 2.3 times greater than the Mississippi River/Hypoxia Task Force Action environmental goal. The area mapped is much smaller than the predicted area of approximately 10,800 square kilometers (4,155 square miles)(NOAA).

The five-year average size of the dead zone, also known as the hypoxic zone, is now 4,347 square miles, which is over two times larger than management targets. Since records began in 1985, the largest hypoxic zone measured was 8,776 square miles in 2017. This is the seventh smallest zone on record in the 37-year measurement history. The information gathered in the mapping is a key metric used by the Mississippi River/Gulf of Mexico Hypoxia Task Force to measure progress toward achieving their five-year average target of getting the dead zone to 1,900 square miles or smaller by 2035.

The information gathered is a key metric used by the Mississippi River/Gulf of Mexico Hypoxia Task Force to measure progress toward achieving their five-year average target of getting the dead zone to 1,900 square miles or smaller by 2035. The cruise provides a one-time snapshot of the dead zone; the five-year average captures the dynamic and changing nature of the zone over time.

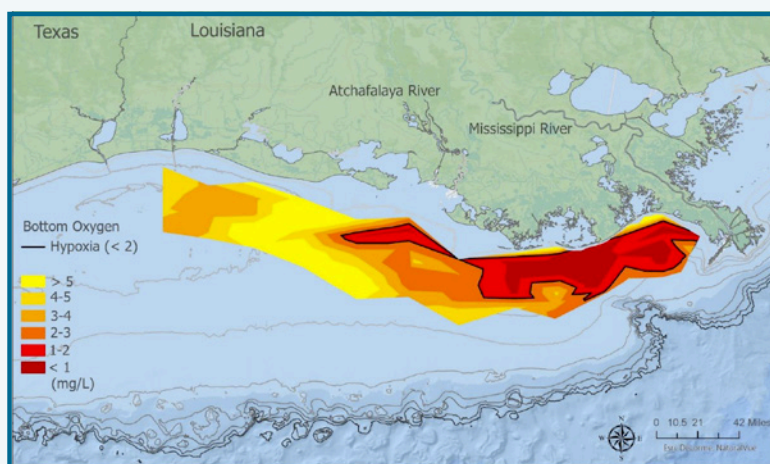
In June, NOAA forecasted a below-average sized hypoxic zone of 4,155 square miles, based primarily on Mississippi River discharge and nutrient runoff data from the U.S. Geological Survey. The measured size of the hypoxic zone fell within the uncertainty range for the models which factors in some of the inherent environmental variability of the system such as the below average river discharge over the summer. This demonstrates the overall accuracy of the models and their ability to be applied as tools for nutrient reduction strategies.

For more information about the R/V Pelican, go to <https://lumcon.edu/rv-pelican>.

For more information about the Nutrient Management Strategy, go to www.deq.louisiana.gov/nutrient-management-strategy.

For more information on the Mississippi River/Hypoxia Task Force, go to www.epa.gov/ms-htf.

(Information from EPA, LDEQ, Lumcon and NOAA)



Distribution of bottom-water dissolved oxygen concentration for July 23-28, 2023. Data source: CN Glaspie, NN Rabalais, and RE Turner, Louisiana State University and Louisiana Universities Marine Consortium.



Keep Louisiana Beautiful State Conference

Oct. 10-11 • Hilton Baton Rouge Capitol Center
Register at keeplouisianabeautiful.org

Keep Louisiana Beautiful (KLB) will host its annual State Conference Oct.10-11 at Hilton Baton Rouge Capitol Center, welcoming all to attend to learn about proven practices and innovative programs that are designed to achieve a cleaner, greener and more resilient Louisiana. Topics include the new KLB Louisiana Litter Study on roadside litter and the cost of litter abatement, best practices for reducing litter and waste at outdoor events, how to keep our waterways litter-free and more. The conference will conclude with the Everyday Hero Awards luncheon, honoring individuals, non-profits and businesses working diligently to clean up and beautify Louisiana. Register today at keeplouisianabeautiful.org.

Keep Louisiana Beautiful is Accepting Applications for Grant Programs Funding Litter Prevention at Large Outdoor Events, Beautification Projects and Trash Receptacles

Keep Louisiana Beautiful is accepting applications online for the Greener Grounds Grant for large outdoor events, Beautification Grant and Trash Receptacle Grant. All three grant programs were created to support community improvement and engagement, reduce litter and promote environmental stewardship. Learn more at keeplouisianabeautiful.org. These grants are made possible with funding from the State of Louisiana and the Office of the Lieutenant Governor.

2023 STATE CONFERENCE

Oct. 10-11
 Hilton Baton Rouge Capitol Center

LET'S TALK ABOUT LITTER PREVENTION



Who's Who At LDEQ?



Cornelia Acentha "ACE" Slaughter – Agency Relationship Manager (ARM), Division of Administration, Office of Technology Services

Slaughter, a native of Jeanerette, attended the University Louisiana at Lafayette, Southern University and A&M College and Louisiana State University receiving her Bachelors and Masters in Computer Science Business Option. She has previously worked in information technology, community liaison and human resources areas supporting companies specializing in construction, engineering, educational and health care industries.

Slaughter's spare time is somewhat diverse because of her positive and optimistic character. She enjoys spending time with family and friends, shooting pool, bowling, air hockey, home design, DIY projects, motivational events, meeting people, biker events, listening to a variety of genre of music and shopping for herself and others.

Hannah Laville – Environmental Scientist I, Office of Environmental Assessment

Laville, a native of Baton Rouge, recently graduated from Louisiana State University with a Bachelor of Science in Natural Resource Management. She worked in an LSU entomology research lab before LDEQ.

Laville loves interior decorating and spending time with her pug, Craig. She also just got her first foster dog, so now she's an amateur dog trainer. She has a 7-month-old golden retriever mix who loves other dogs, and she's currently looking for a new home for the puppy.



Kaitlyn Tabor – Environmental Scientist I, Surveillance Division, Bayou Lafourche Regional Office

Tabor, a native of Chackbay, recently graduated from Nicholls State University in May with a Bachelor of Science in Marine Biology. She previously worked for the Barataria-Terrebonne National Estuary Program (BTNEP) throughout college.

In her free time, Tabor enjoys hunting, fishing and being outdoors. She also spends much of her time drawing, reading and hanging out with her fiancé Brodie and her pets.



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Louisiana Department Of Environmental Quality's Second Quarter Summaries

Second Quarter 2023 Enforcement Actions:

<http://deq.louisiana.gov/page/enforcement-actions>

Second Quarter 2023 Settlement Agreements:

<http://deq.louisiana.gov/page/enforcement-division>

Second Quarter 2023 Air Permits:

<http://deq.louisiana.gov/page/permits-issued-by-calendar-quarter>

Second Quarter 2023 Water Permits:

<http://deq.louisiana.gov/page/lpdes>

Second Quarter 2023 Solid and Hazardous Waste Permits:

<http://deq.louisiana.gov/page/waste-permits>

