



CARLIANE DANIÈLE JOHNSON

Regulatory and Environmental Specialist

Ms. Johnson has more than 25 years of experience in regulatory support, intergovernmental coordination, and environmental effects analysis. She received her Bachelor of Science degree in Biological Science from Florida State University in Tallahassee, Florida. Ms. Johnson is a search and recovery diver for the Alameda County Sheriff's Office Dive Team and was formerly a science diver under NOAA's Diving Program. She is a certified Protected Species Observer. She provides training for Hazardous Waste Operations and Emergency Response (HAZWOPER), and can mobilize a team to provide emergency response support in the case of an oil spill or the release of other hazardous material. She has participated in the preparation of high quality NEPA documents. She previously worked for two governors in the State of Florida, assisting in the review of marine policy issues and legislation including the review and analysis of projects associated with proposed renewable energy, oil and gas, dredging, fisheries, aquaculture, and other activities in the coastal zone and offshore.

Education

B.S., Biological Science with an interdisciplinary minor in chemistry. Florida State University, 1989.

EXPERIENCE

August 2019 to Present: Marine Ventures International, Inc. – Regulatory and Environmental Specialist

- ❖ Subject Matter Expert in Marine Environmental Permitting

October 2007 to present: Seajay Environmental LLC – Independent Environmental Consultant

- ❖ Analyzed energy and environmental policy initiatives and proposed federal agency regulations
- ❖ Prepared environmental permits and assessments under the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA), ensuring regulatory compliance with federal and state laws
- ❖ Prepared reports and policy papers on technical and scientific issues
- ❖ Conducted environmental monitoring, including underwater surveys and baseline studies
- ❖ Represented clients at public hearings, meetings, conferences and other stakeholder events

August 2001 - October 2007: Ecology & Environment Inc. – Project Manager/Chief Biologist

- ❖ Conducted coastal zone management evaluations and assessed environmental effects under NEPA
- ❖ Developed permit applications to meet U.S. regulations or international environmental guidance requirements
- ❖ Managed complex energy and environmental projects including marketing, developing cost and technical proposals, and preparing research reports and site-assessments
- ❖ Maintained budgets, prepared invoices, met deadlines, and trained and supervised staff

July 2000 - August 2001: Florida Department of Environmental Protection, Office of Intergovernmental Programs – Environmental Manager

- ❖ Coordinated Florida's Outer Continental Shelf (OCS) program pertaining to mineral activities (i.e., sand and gravel as well as hydrocarbons) in federal waters
- ❖ Conducted technical reviews of projects
- ❖ Analyzed proposed federal rules and legislative actions



CARLIANE DANIÈLE JOHNSON

- ❖ Prepared briefing documents, developed state policy positions, communicated with senior management and Governor's staff on controversial issues, and attended public hearings, meetings and technical conferences
- ❖ Coordinated with state and federal partners in the U.S. Environmental Protection Agency's Gulf of Mexico Program to implement and fund projects that would improve the health and productivity of the Gulf of Mexico

January 1996 - June 2000: Florida Governor's Office, Environmental Policy Unit – Government Analyst III

- ❖ Assisted in the development of policies to protect Florida's marine resources focusing on offshore oil and gas, dredge materials management, fisheries and aquaculture
- ❖ Managed an ocean and coastal policy grant-funded program
- ❖ Represented the Governor's office at conferences and meetings, prepared and submitted testimony at public hearings
- ❖ Analyzed state and federal legislation, prepared briefing papers on significant issues.
- ❖ Reviewed projects for federal consistency under the Florida Coastal Management Program
- ❖ Analyzed agency budget proposals and prepared grant reports
- ❖ Responded to constituent concerns on the Governor's behalf

March 1994 - January 1996: Florida Department of Environmental Protection, Office of Intergovernmental Programs – Environmental Specialist II

- ❖ Reviewed and coordinated the review of local government comprehensive plan amendments and federal consistency projects to ensure that proposals were in accord with DEP's statutes and programs
- ❖ Worked cooperatively with other government agencies related to comprehensive land use planning and coastal management issues
- ❖ Conducted the research needed to purchase and manage an improved database management system and developed the system to incorporate the older data

January 1989 - March 1994: Florida State University, Department of Biological Sciences – Assistant in Biological Sciences

- ❖ Managed a population genetics research laboratory including field collections; investigation of alternative methods of fish culture, disease control, and improved biological filtration; research data collections; database management; employee training and supervision; and maintenance of scientific equipment

CERTIFICATIONS

- ❖ National Oceanic and Atmospheric Administration (NOAA)-certified Scientific Diver (August 2012)
- ❖ NAUI Master Diver, Rescue Diver, Reef Research Diver; NACD Cave Diver; Nitrox-certified
- ❖ Basic Life Support for Providers and Professional Rescuers (certified through 2020)
- ❖ OSHA 40-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER)
- ❖ USCG boating skills and ASA sailing courses

OTHER EXPERIENCE

Energy Project Experience

- ❖ **Shell Offshore, Inc. (October 2007 to Present)**. Currently providing regulatory support and conducting research on various topics (e.g., marine sound, protected species, air and water permitting, proposed federal regulations, artificial reefs) pertinent to Shell's domestic offshore oil and gas activities. Also attend and provide summaries of hearings and agency meetings on behalf of Shell.
- ❖ **Walsh Perú South America (October – November 2014)**. Prepared a regulatory document summarizing the applicable international legal framework pertaining to the discharge of drill cuttings containing non-aqueous drilling residues and potential concerns related to the proposed use of thermal-treatment technology to clean those cuttings. The project involved reviewing the applicable international legal framework and guidelines and reviewing technical reports regarding the marine discharge of treated



CARLIANE DANIÈLE JOHNSON

- cuttings obtained from a “Hammermill” process. Also reviewed the Technical Report (or ITS) that was prepared by Walsh Perú S.A. for the Peruvian regulatory authorities.
- ❖ **Offshore Operators Committee MedEvac Workshop (October 2008 – February 2009).** Organized an industry workshop to better understand the scope of medical evacuation assets, practices, and available procedures in federal waters of the Gulf of Mexico. Then prepared the workshop report on best management practices and gaps.
 - ❖ **Offshore Operators Committee Sandblasting Best Practices Workshop (April – June 2008).** Organized a workshop on sandblasting and surface coating operations in the marine environment. The purpose of this workshop was to obtain best management practices from offshore operators and their contractors related to procedures used to minimize the discharge of spent blast abrasives and paint overspray in the Gulf of Mexico. This culminated in the preparation of a paper describing best practices related to the periodical inspection and maintenance of offshore oil and gas facilities to assure structural integrity and minimize pollution and safety risks. SeaJay Environmental worked with Shell Exploration & Production engineers and operations managers to draft this paper that was presented by Shell at the Society of Petroleum Engineers conference in 2009.
 - ❖ **O’Brien’s Response Management.** Provided incident response support for the Enbridge pipeline spill in Michigan. Evaluated proposed oil treatment options for environmental effects on marsh and wetland habitats. Prepared standard operating procedures for sediment curtains and gabion boxes; and for site preparation, soil removal and disposal activities of contaminated sediments. Also reviewed quality assurance plans.
 - ❖ **National Petroleum Council.** Provided technical and editorial support to the Operations and Environment Subgroup of the National Petroleum Council, a federal advisory committee. The study was requested by former Secretary Chu and was prepared by a team of experts from industry, state and federal government agencies, conservation groups, financial institutions and academia.
 - ❖ **Liquefied Natural Gas (LNG) Import Terminal, Grand Bahama Island, Bahamas.** Oversaw the efforts of research divers conducting offshore benthic surveys in Freeport Harbour for Tractebel LNG North America for a proposed offloading pipeline. The team quantified sponges, soft corals, and hard corals in the project area and assessed the overall condition of the marine communities.
 - ❖ **Gulf Landing LNG Import Terminal, Offshore Louisiana.** Helped develop a port operations manual that was part of the licensing process for the Gulf Landing LNG project.
 - ❖ **Main Pass Energy Deepwater Port, Gulf of Mexico.** Managed the application process associated with an onshore pipeline under Federal Energy Regulatory Commission (FERC) jurisdiction for the Main Pass Energy Hub LNG terminal project. This involved working closely with the client’s team of contractors to develop the application and interacting frequently with state and federal officials to address regulatory and permitting requirements for the pipeline.
 - ❖ **BOOTS Deepwater Oil Port, Gulf of Mexico.** Collected vessel and shipping data and environmental information to support the licensing of a proposed deepwater port, the Bulk Oil Offshore Transfer System (BOOTS), intended to accommodate large vessels for petroleum product offloading.
 - ❖ **Cascade / Chinook FPSO Development, Central Gulf of Mexico.** Prepared an Environmental Impact Assessment (EIA) for Petrobras America, Inc., (a subsidiary of Petróleo Brasileiro SA [Petrobras], the Brazilian national oil company) for the proposed first use of a floating production, storage and offloading (FPSO) system in the U.S. Gulf of Mexico. The EIA was submitted to the Minerals Management Service as a component of the Petrobras exploration plan.
 - ❖ **Petrobras Produced Water Survey, Rio de Janeiro, Brazil.** Conducted a literature search and prepared a report for Petrobras that evaluated how offshore oil terminals and refineries around the world have managed their produced water. Also presented the study results to the client’s technical operations staff in Brazil and then arranged for and hosted Petrobras staff during their visit to a United States facility that treats waste from oil and gas operations in the Gulf of Mexico.
 - ❖ **Chevron Corporation.** Helped develop a biodiversity guidance document for Chevron that incorporated biodiversity into their existing Operational Excellence Management Systems for new projects and existing projects worldwide.



CARLIANE DANIÈLE JOHNSON

- ❖ **Oil and Gas Development Project, Southern Gulf of Mexico.** Conducted the technical review and quality assurance of environmental documents to ensure that they met international standards associated with a large offshore development project off the coast of Mexico for a client of Citigroup to meet loan requirements from the Overseas Private Investment Corporation.
- ❖ **Rubiales Field, Colombia.** Managed the due diligence review to support Marathon Oil Company's decision-making regarding oilfield acquisition. This included an assessment of the current operator's existing documents for compliance with health, safety and environmental standards, Colombian environmental licensing requirements, and consistency with Marathon's policies concerning corporate social responsibility.
- ❖ **Marathon Offshore Exploration Project, Gulf of Mexico.** Collected data and prepared environmental reports for an individual National Pollutant Discharge Elimination System (NPDES) permit application for Marathon Oil Company's proposed offshore oil and gas exploration in the Eastern Gulf of Mexico. This was the first such permit issued by Environmental Protection Agency (EPA) Region 4 for the discharge of cuttings associated with synthetic-based drilling fluids. The application included a best management practices and pollution plan to ensure the highest level of minimization of waste discharges.
- ❖ **South Dachshund Offshore Exploration, Eastern Gulf of Mexico.** Managed the preparation of an EIA, coastal zone management consistency certification, NPDES permit application, and best management practices and pollution prevention plan on behalf of Murphy Exploration and Production-USA, for their proposed oil and gas exploration project in the Gulf of Mexico.
- ❖ **Dalmatian Exploration Plan, Eastern Gulf of Mexico.** Prepared the EIA for Newfield Exploration Company's offshore oil and gas exploration plan and obtained the individual NPDES permit from EPA Region 4.

Research and Teaching Experience

- FSU Department of Biological Sciences, April 1991 - October 1992. Assisting on a project funded by the National Marine Fisheries Service to determine the effectiveness of fish bycatch reduction devices (BRDs) proposed for use on inshore shrimping vessels in Florida.
- ❖ FSU "Saturday at the Sea" program, Summer 1990. Part-time teaching assistant introducing middle-school students to marine biology by collecting specimens in different habitats and identifying live animals in the laboratory.
 - ❖ FSU Department of Biological Sciences, June to December 1988. Assisted a graduate student in the raising and breeding of sailfin mollies (*Poecilia latipinna*) for experiments involving quantitative genetics and bioenergetics.
 - ❖ Mote Marine Laboratory (Sarasota, Florida), Summer 1986. Work study student in their new Fish Stock Enhancement Program assisting with the culture of snook (*Centropomus undecimalis*), rotifers and phytoplankton. Directly responsible for the start-up culture of brine shrimp, which involved organizing the construction and maintenance of flow-through culture tanks and initiating techniques to decapsulate brine shrimp.
 - ❖ FSU Center for Aquatic Research and Resource Management, April 1985 - December 1987. Assistant researcher involved with various research projects including the collection of data, quantitative phytoplankton analysis, processing marine and fresh water benthic samples, and analyzing gut contents to determine fish feeding habits.

REPRESENTATIVE PUBLICATIONS AND PRESENTATIONS

Long-Term Tracking of Adult White Sharks, presentation to the Gulf of the Farallones National Marine Sanctuary Advisory Council, San Francisco, California. May 2011.

Methods of Female Fertility Advertisement and Variation Among Males in Responsiveness in the Sailfin Molly (*Poecilia latipinna*). *Copeia*, Vol. 1994, No. 1: 27-34. February 1994.

Intraspecific and Interspecific Competition of *Wyeomyia smithii* (Coq.) (Culicidae) in Pitcher Plant Communities. *American Midland Naturalist* 131: 136-145. 1994.

Current Offshore Environmental Issues and New Perspectives, Oral presentation to Southern Gas Association Offshore Gas Operations Conference, New Orleans, Louisiana, December 2002.



CARLIANE DANIÈLE JOHNSON

Eastern Gulf of Mexico: Florida and the Department of Defense, Oral presentation at International Oil Scouts Association 80th Annual Meeting, Pensacola, Florida, June 2003.

Produced Waters: A Global Perspective, Oral presentation to Petrobras SA, Paraty, Brazil, January 2003.

On Common Ground: Building Partnerships for Achieving Sustainable Development Goals, Oral presentation to BMW Sustainable Development Forum, Munich, Germany, May 2004.

Is Cattle Grazing an Incompatible Use On or Adjacent to Wetland Mitigation Banks? Poster Presentation at the Wetlands Mitigation Banking Association Conference. 2002