

Maria Pantazi | Environmental Advisor

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Professional Summary:

Ms. Pantazi has over five years of domestic and international experience as an Environmental Scientist and currently specializes in environmental due diligence inspections. Her work focuses on Phase I Environmental Site Assessments, Transaction Screen Assessments, Phase II ESA reporting, project management, and forensic environmental work at commercial, industrial, and residential properties in conformance with applicable industry standards and regulatory requirements. Ms. Pantazi has a strong background in human health and ecological risk assessment and is a licensed Radon Measurement Specialist and accredited Asbestos Inspector in the states of New Jersey and New York. Her most recent experience includes overseeing the implementation of radon measurement and mitigation projects.

Areas of Expertise:

- Phase I ESAs and TSAs
- Radon Measurement
- Project Management
- Ecological Risk Assessment
- Biological Sampling

Licenses and Certifications:

Radon Measurement Specialist, Department of Environmental Protection, NJ, License #MES14073

Asbestos Inspector, Department of Labor, NY, License #19-19772

Hazardous Waste Operations and Emergency Response (40-hr HAZWOPER), U.S. Occupational Safety and Health Administration, 2020

Offshore Marine Safety, National Marine Fisheries Service, 2018

Project Experience:

Phase I ESAs, TSAs, Phase II reporting – Nationwide

Environmental Advisor responsible for managing, performing, and reviewing Phase I Environmental Site Assessments (ESAs) and Transaction Screen Assessments (TSAs) at commercial, industrial, and residential properties throughout the United States. These include project oversight, property inspections, historical and regulatory records review, and determination of potential environmental risks in conformance with the current ASTM standard. Frequently encountered non-scope work performed includes radon testing and sampling for asbestos. Phase II work includes writing post-remediation reports and communicating with the appropriate regulatory agencies.

Forensic Environmental Work – Cuddebackville, New York

Environmental Advisor responsible for conducting a bat infestation assessment at a residential property in a rural area of the state of New York. Evaluated the bat colony itself, as well as impacted locations and building materials, in order to establish a timeline of bat occupancy. A physical assessment was performed by inspecting the periphery of the property and interior spaces for evidence of bat presence, such as guano and deteriorated materials. An estimate of the bat colony size was obtained using a tally counter, and the main entry/exit points as well as bat species were identified by visual observations. Evaluated were the history of the property and its suitability as a bat roosting site and interviews were conducted with the former residents to determine the extent and chronology of the bat presence.

Desktop Research and Report-Writing – Texas and New Jersey

Environmental Consultant responsible for preparing Phase I/II ESA and Ecological Risk Assessment (ERA) reports, the scope of which included conducting off-site source and background investigations in accordance with NJDEP guidance. Identified, compiled, reviewed, and interpreted laboratory analytical data and performed mathematical calculations as part of ecological risk determination.

On-Deck Sampling for Estimation of At-Sea Discards – Northeast

National Marine Fisheries Service (NMFS)-certified Domestic Fisheries Observer responsible for embarking on trips aboard commercial fishing vessels and sampling each catch to obtain an estimate of retained and discarded fish by species. Trips ranged from single- to multi-day deployments in the Mid-Atlantic. Collected were biometric, gear-related, and economic data, as well as biological samples from marine living organisms. Collaborated with and maintained excellent relations with commercial fishermen.

PCL Protective Concentration Levels Calculator Research and Development – Texas

Environmental Scientist assisting with the development of a consistent model for ecological risk assessment at contaminated sites in Texas. The development of the PCL Calculator – a web-based, user-interactive toxicological database – was a joint endeavor between West Texas A&M University (WTAMU) and the Texas Commission on Environmental Quality (TCEQ). Performed historical records research and perused peer-reviewed scientific literature to be included in the PCL's supporting database, which constitutes the scientific basis of the program and renders it legally defensible. Once sources in the English language were exhausted, delved into foreign peer-reviewed literature, translating as necessary. The data mining and management performed focused primarily on chemical fate and transport analysis and food chain modeling.

Arctic Challenge for Sustainability (ArCS) Research Campaign, Ny-Ålesund, Svalbard, Norway

Graduate Researcher in charge of collecting aerosol samples from arctic clouds. Worked in remote research locations in the Norwegian Arctic and operated unique and proprietary aerosol sampling-related hardware and software (Ice-selecting Pumped Counterflow Virtual Impactor – IS-PCVI).

Metals Bioaccumulation in Important Marine Species of the Bulgarian Black Sea and Screening-Level Human Health and Ecological Risk Assessment, Bulgaria

Graduate Researcher responsible for project conceptual design and implementation. Proposed, designed, and completed original research in the Bulgarian Black Sea. Evaluated the levels of select metals and non-metals in two highly consumed marine organisms of the Black Sea, the Round Goby and Mediterranean Mussel. Plankton was also evaluated, as an indicator of contaminant bioaccumulation in the food web. Collected were 110 fish, >270 mussels, and six composite plankton samples from different locations along the Bulgarian Black Sea Coast. Upon collection, the samples

were processed before delivery to a laboratory for metals analysis. Statistical analyses were used to evaluate the relationship between contaminant levels and distance from locations exhibiting intense industrial activity. Hazard Quotients (HQ) were developed as part of a screening-level human health and ecological risk assessment.

Professional Experience:

EFI Global, Inc., Environmental Advisor, 2019 – Present

Yates Environmental Sciences, Inc, Environmental Consultant, 2018 – 2019

A.I.S., Inc., in conjunction with the National Marine Fisheries Service (NMFS), Northeast Fisheries Observer, 2018 – 2019

West Texas A&M University, Graduate Researcher, 2015 – 2018

West Texas A&M University, Teaching Assistant and Laboratory Instructor, 2013 – 2018

Education:

Master of Science, Environmental Science, West Texas A&M University, Canyon, Texas, 2018

Bachelor of Science, Environmental Science and Wildlife Biology (double major), West Texas A&M University, Canyon, Texas, 2015

Associate of Arts, Modern Languages Applied to Law and Economics, Université Sorbonne Nouvelle – Paris 3, Paris, France, 2008

Courses Instructed/Guest Lecturer:

Environmental Regulations, Biology, Zoology

Languages:

Greek, Bulgarian, English, French, Russian, Finnish