

## **REMUS BAIAS**

### ***Sr. Environmental Consultant***

#### **AREAS OF SPECIALIZATION**

- Air Permitting (all California air districts)
- Agency Representation
- EHS Auditing
- EMS Design and Implementation
- Environmental Site Investigation
- Hazardous and Solid Waste Compliance & Permitting
- NPDES Waste Water and Storm Water Permitting
- OSHA Appeals
- Pollution Prevention
- Radiation Safety
- Title V/RECLAIM Compliance
- Waste Minimization
- Waste Water Discharge Compliance

#### **EDUCATION**

Master of Science, Industrial Engineering, University of Illinois at Chicago

Bachelor of Science, Engineering Physics, University of Bucharest, Romania

#### **CERTIFICATIONS**

Registered Environmental Assessor  
REA I, DTSC

OSHA 40-hour HAZWOPER  
Current Certification  
Engineer-In-Training EIT

#### **AFFILIATIONS**

Air & Waste Management  
Association

Mr. Baias has extensive experience in engineering and environmental science across multiple industry and consulting sectors, with successful projects in aerospace parts, building materials, concrete casting, electronics, food, general manufacturing, metal finishing, mining, recycling, utilities, waste management, and warehousing.

In a consulting capacity, Mr. Baias has had significant involvement with environmental, health and safety (EHS) auditing and compliance, air emissions, hazardous waste, industrial wastewater discharge, multimedia permitting, storm water pollution prevention, and waste minimization programs. Mr. Baias has managed the air monitoring and compliance programs for several Title V and RECLAIM facilities in SCAQMD jurisdiction. He has prepared applications and obtained air permits for a variety of process and control equipment from numerous air districts (e.g., BAAQMD, SCAQMD, SJVAPCD, and others). Mr. Baias has also been involved with air emissions inventories and construction monitoring for electrical transmission projects in California on air emissions calculations, dust control, onroad/offroad vehicle regulations, and portable equipment registration through the PERP program.

Mr. Baias has managed industrial wastewater discharge monitoring and compliance programs and has prepared initial and renewal permit applications for over a dozen industrial wastewater discharge facilities within IEUA, LACSD, and OCSD sanitation districts. He has also been actively involved in hazardous waste management, spill prevention, and waste minimization programs for numerous facilities throughout California, as well as British Columbia, Florida, Ohio, and Texas. He has coordinated compliance programs for aboveground storage tanks (AST) storing hazardous waste and has been involved in radiation safety programs for facilities using radioactive sources in their operations.

Prior to consulting, Mr. Baias developed a successful industry career in process engineering and facilities management. Mr. Baias oversaw engineering, maintenance, and facilities, including EHS functions, for four company facilities in Arizona and California for a \$100MM+ operation. Mr. Baias implemented company-wide environmental programs for air monitoring, hazardous waste management, stormwater pollution prevention, recycling and waste minimization.

Mr. Baias maintains a current OSHA 40-hour HAZWOPER certification, passed the examination and holds an Engineer-In-Training certification, and is a Registered Environmental Assessor REA I with the Department of Toxic Substances Control in California.

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**EXAMPLES OF DIRECTLY RELATED EXPERIENCE –**

**AIR EMISSIONS, GHG and CEQA/NEPA EXPERIENCE – Sunrise Powerlink Project, San Diego Gas & Electric.** Mr. Baias performed complex detailed research for emission factors for a long list of onroad and offroad vehicles to update GHG and criteria pollutant emissions estimates for a large utility project in Southern California. This included large, medium, and small helicopters, non-conventional construction vehicles, and updated emission factors for offroad engines being upgraded or retrofitted for the project. Mr. Baias updated the EMFAC onroad model and the helicopter emissions model to better reflect specifics of the project, allowing for significant reduction in EIR/EIS calculated emissions. This detailed work provided documented, defensible, and accurate estimates of the project emissions, putting the client in a position to better negotiate project emission offsets and mitigation measures.

**AIR PERMITTING and REGULATORY COMPLIANCE – Numerous Air Permit to Construct/Permit to Operate** applications and modifications with Bay Area AQMD, San Joaquin Valley APCD, and South Coast AQMD. Permitted equipment includes anaerobic digesters, baghouses, biofilters, concrete casting plants, electrical generators, gasoline storage and dispensing equipment, melting furnaces, mixing and flavoring equipment, open process tanks, ovens, oxidizers, scrubbers, shredders, storage silos, etc.

**Title V initial air permit applications** for metal coating, foundries, and Printed Circuit Boards (PCB) operations. These facilities were located in the SCAQMD air district of Southern California making air permitting very difficult due to the severity of the non-attainment status of the district.

**Title V/RECLAIM monitoring** and electronic reporting for process units and large sources at over 20 facilities in the SCAQMD air district. Conducted monthly and quarterly reporting of NOx emissions, quarterly reconciliations, and also executed buy/sell RECLAIM Trading Credits (RTCs) on the regional market.

**ONROAD AND OFFROAD MOBILE SOURCES –** California in-use diesel regulations, LSI regulations, PERP registration and fleet advisories, contractor bid specifications, dust control and monitoring plans for electrical transmission construction projects.

**HAZARDOUS WASTE and RADIOACTIVE MIXED WASTE REGULATORY COMPLIANCE and PERMITTING –**

**Federal and state Part B Permit application and modification** for several treatment, storage, and disposal facilities (TSDFs) in California. Also prepared Annual Reports, Closure Plans, Closure Costs updates, Contingency Plans, and Waste Analysis Plans for TSDFs in British Columbia, California,

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and Ohio.

**State and Federal Reporting** for over 30 facilities, large generators under the biennial reporting requirement, and for several TSDFs under the annual reporting requirement.

**Hazardous Waste Import-Export** permitting services. Negotiated environmental permits for trans-boundary movements of hazardous waste worldwide. Worked in close contact with US EPA and Competent Authorities in Asia, Europe and North America within the framework of Basel Convention and OECD hazardous waste import-export permitting processes.

#### **POLLUTION PREVENTION (P2) & WASTE MINIMIZATION –**

**Pollution Prevention and Waste Minimization** program development for Treatment, Storage, and Disposal Facilities (TSDFs) in British Columbia and Ohio. In 2007, the Office of Compliance Assistance and Pollution Prevention of Ohio EPA acknowledged the P2 program implemented at an authorized Defense Reutilization & Marketing Service (DRMS) C-68 Facility for responsible waste stewardship. The respective P2 program incorporated a facility-wide employee awareness module and implemented Best Management Practices (BMPs) throughout the hazardous waste treatment and storage areas.

**SB14 Hazardous Waste Source Reduction** Plans, Management Evaluations, and Summary Progress Reports per California Senate Bill 14 and 22 CCR 67100 et seq. for over 40 facilities, large quantity generators of hazardous waste, within the Department of Toxic Substances Control (DTSC) jurisdiction.

#### **RADIOACTIVE SOURCES REGULATORY COMPLIANCE and LICENSING**

**License applications and amendments** for site and generally licensed sources to the Radiologic Health Branch of the California Department of Public Health (CDPH-RHB). Conducted source leak tests and coordinated radiologic surveys services for removal of old unused source for industrial clients in Southern and Northern California.

**Compliance services** through regular auditing and client representation during CDPH-RHB inspection and post-inspection follow-up. Radiation Safety Plans development for building materials operations with Sr-90 and Cs-137 density, moisture, thickness, and weight gauges.

**Training** coordination for gauge users, Radiation Safety Officer (RSO), and Alternate RSO initial training and annual refreshers.



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**EMPLOYMENT HISTORY**

2008-Present, ZMassociates, Inc., Senior Environmental Consultant  
2006-2008, JE Compliance Services, Inc., Senior Associate  
2001-2006, Intercontinental Art, Inc., Facilities Manager  
1999-2001, Competitive Edge, Inc., Process Engineering Consultant  
1998-1999, University of Illinois, Research/Teaching Assistant