

PROFESSIONAL HISTORY

GREEN Environmental Consulting, Inc.	Senior Scientist	2014 to date
Enviroclean Services, LLC	Air and Regulatory Manager	2011-2014
Air Compliance Technologies, Inc.	Consultant	1991
Southdown, Inc.	Director, Resource Recovery	1989
McKesson Corporation	Manager, Tech and Env Affairs	1985
Stablex Corporation	Administrator, Regulatory Affairs	1981
J G Reutter Associates	Mgr, Env Sci and Planning	1973

EDUCATION

Drexel University	M.S. – Environmental Science	1982
The College of William and Mary	B.S. – Biological Sciences	1972

TECHNICAL SPECIALTIES

Air pollution and permitting • Cement kilns and specialty chemical facilities • RCRA hazardous waste

REPRESENTATIVE EXPERIENCE

Mr. Franklin is a highly motivated and proven air pollution manager with ancillary broad environmental perspective and strong technical, business and management skills that strengthen working relationships with industry. He has extensive experience with air regulatory issues including Standard Permits, Title V and “Permit by Rule” determination, air emission estimation methodologies and NAAQS/ pollutant air modeling (AERMOD), GHG Reporting as a U.S.EPA Agent, and specialty chemical and RCRA hazardous waste experience.

Air Emissions Regulatory Compliance and Permitting

Prepared air permit authorizations for industrial clients, including manufacturing, oil and gas, and marine operations. Project experience includes permit preparation, emission calculations, modeling and general EHS compliance.

Provide air permitting, Permit by Rule documentation, air emission estimation (emission tracking spreadsheets) and dispersion modeling of ground level impacts. Also provided formal Trial Burn Plans prepared in accordance with the U.S. EPA incineration regulations on projects related to burning of waste-derived fuel in industrial furnaces. Prepared and calculated particulate, metals and hazardous constituent emission estimates and air dispersion modeling for numerous alternative fuels projects in the cement/lightweight aggregate industries.

Developed and managed staff and projects devoted to the beneficial reuse of alternative fuels, alternative feed stocks and waste heat projects in cement kilns. Responsible for rigorous air emissions testing (with chemical spiking - 4 POHCS/12 metals), air emission documentation through preparation of formal Trial Burn Plans, PSD reviews, modeling and air permits.

Managed the air permit modification for a cement kiln using waste derived fuel on a 10% substitution basis for pulverized coal. In meetings with the federal permitting authority agreement was obtained on the emission estimate methodologies used to document the PSD increment and the kiln spiking with chlorine and ten (10) metals to stress the kiln to this PSD increment for stack testing. Resulted in stack testing using EPA protocols, data reduction and report preparation.

Prepared the emissions estimates and air dispersion modeling for a cement substitute raw material marine unloading operation using Panamax ships, dry bulk unloading clam-shells and conveyance to storage piles. Project involved a politically sensitive area in an urban industrial/residential neighborhood; which yielded close

regulatory scrutiny of assumptions, techniques and procedures for lead and PM10/2.5 impacts per approved air modeling protocols.

GHG Reporting through the electronic e-GRRT system for numerous clients, preparation of all input calculation and documentation of emission estimates. Established protocols for Existing Engine Rule maintenance program requirements, prepared O&G permit and PBR documentation for compressor stations, rail loading stations, bulk storage tank farms and production sites.

Developed site wide air emission estimates, including plating shop, emergency generator and VOC (degreaser and paint shop) tracking spreadsheets based on process operations for an aviation airframe refurbishing company. All calculations and supporting documents were developed into a comprehensive “Permit by Rule” submittal under the TCEQ certified emission regulations.

Prepared emission estimates for stationary and mobile sources for greenhouse gases and toxic pollutants. Sources evaluated have included fossil fuel burning equipment (oil, gas and coal), industrial engines (reciprocating and turbine) and storage facilities.

Developed working/breathing loss emission estimates from waste-derived boiler fuel storage tanks using U.S. EPA Tanks program; developed ancillary valve/pipe loss estimates of the same boiler fuel and estimated particulate and metals emissions from the combustion of the fuel in an industrial boiler. Input of the above into air dispersion models for a comparison of ground level impacts to health effects screening levels.

Health and Safety

Prepared H2S Contingency Plans, perimeter sampling of production sites, noise surveys/noise attenuation, Facility Response Plans (for larger SPCC regulated clients) and Process Safety Management plans for chemical service clients.

Managed the process engineering, health/safety and environmental staff for a company business unit related to specialty solvent re-refining and recycling industry. Instituted an overall health, safety and environmental audit process that was ultimately extended to the entire corporation.

Multi-Media Permitting/Environmental Management Systems

Responsible for air, water and RCRA permits for five plants in the U.S. and Puerto Rico. Solvents re-refined included halogenated and non-halogenated solvents, alcohols and nMP.

Conducted public and governmental interface as well as regulatory permitting. Conducted the cleanup of waste disposal sites and implemented a health and safety program for field operations.

Established a program designed to limit environmental liabilities entailing tank and sump integrity testing and tank vent/rupture disk integrity. Also established a recycled solvent boiler fuel program for one of the plants resulting in >90% fuel replacement. Aspects of this project involved interfacing with legal counsel for a contesting public interest group to document impacts and ensure the implementation of operational controls to allow project to proceed.

LICENSES AND SKILLS

COMPUTER Literate: Microsoft Office / Open Office / U.S EPA Air Models / AutoCAD
Certified ISO 14001 Environmental Management Systems Lead Auditor (RABQSA)
40 Hour Hazmat Certified and Certified Firefighter I/First Responder