

Senior Environmental Engineer/Sustainability Designer/Program Manager
Columbia, MD

Leadership Profile:

High-performance strategic professional, working with business executives to establish a solid foundation in strategic planning, innovative developments, competitive analysis, and systems management. Proven performance in process management, cross-industry collaboration, and sustainable problem-solving. *Listen-Think-Facilitate-Develop.*

Environmental Program Design Specialist. Expert in implementing program, policy, and financial administration of Environmental, Health and Safety Compliance, Pollution Prevention, Sustainability and Facility Operations Programs. Main focus is on the seamless integration of environmental management, compliance, and sustainability program requirements into diverse business operations. Technical expert in the area of regulatory compliance, management systems, and program execution with an emphasis on policies-processes-people.

Education:

M.S., Civil Engineering/Environmental Management, Tufts University
B.E., Engineering Science, Hofstra University

Memberships/Registrations:

Executive Business Coach, US SBA THRIVE (St Thomas, VI)
Howard County Leadership
HoCo PlanHoward Academy
Fort Meade Environmental Restoration Advisory Board, Member
Fort Meade BASE Business Initiative, Member
Howard County Leadership (Premier), Graduate
Registered Environmental Manager, NREP, *REM 609078979*
Registered Environmental Property Assessor, NREP, *REPA 41850*

Specialized Training:


NCCER, Master Trainer	Environmental Justice: Policy and Practice
HAZWOPER 8hr Refresher	Pollution Prevention Course
Tech Business Training for Entrepreneurs	Land Disposal Restriction Enforcement,
RCRA, DOT, WASTE Training	Environmental Compliance Inspections
Lean Six Sigma Green Belt	RCRA Inspector Training Institute
Contracting Officer's Representative Course	Confined Space Entry and Rescue
RAB ISO 14001 EMS Lead Auditor	Procedures
Risk Communication	Phase I and II Environmental Site
Environmental Performance Assessment	Assessments for Commercial Real Estate
Systems	

Experience Summary:

Environmental Engineer and Program Manager who has over 25 years of experience designing, development and implementing environmental, health and safety programs for (civilian, defense and intelligence) communities. Takes a systems approach to creating management structures in support of compliance, training, education and awareness of a variety of stakeholders. As a



manager, Kellyann creates programs, ensures compliance, and leads teams by focusing on Regulatory Compliance, Efficient Management, Communications, and Planning.

As a government leader,  has the ability to work collaboratively with different organizations and team members to accomplish organizational goals by preparing technically accurate documents, planning meetings and other task centered activities. Her ability to explain, defend, negotiate and coordinate program policies and activities with a variety of stakeholders has resulted in the successful organizational balance of mission and environmental, health and safety compliance. Her experience was with U.S. Defense agencies where she was , for the budgeting, planning, programming, and policy development for operations. Environmental management, compliance and sustainability efforts supported facility management and military construction projects across the nation. In addition, served as senior technical advisor to agency leadership for compliance cleanups, BRAC execution, Real Property- NEPA transactions, and Cyber/IT management solutions.

Has held several positions in the U.S. Environmental Protection Agency where she served as a field (water quality) sampling team member supporting Army clients; an U.S. Environmental Protection Agency Hazardous Waste Enforcement Officer; Program and Training developer for Hazardous Substance/Material/Waste Lifecycle management and Pollution Prevention; Community Outreach and Representative addressing air quality concerns related to a superfund site.

Project Examples:

Adjunct Instructor, Bowie State University 2023 – Present
(College of Business, Entrepreneurship & Operations Management)

Adjunct Instructor, Howard Community College 2017 – 2019
(Math and Business Communications)

Volunteer / Board Member,
American Red Cross Volunteer Trainer, Disaster Cycle Services
Build Haiti Foundation 501c3, Strategic Program Manager & Board Member
Sustainability Think Tank, Anegada British Virgin Islands, Community Facilitator
New Pathways to Enterprise 501c3, Entrepreneurship Ambassador
Network of Doves w/ JeffMajors 501c3, Strategic Programs & Grant Manager
Innovative Initiatives 501c3, Strategic Programs & Grant Manager
Bernadette’s House 501c3, Youth Programs & Grant Manager

VP of Operations, Power52 Energy Solutions, Ellicott City, MD 2019 – Present
(Program Manager & Operations Specialist)

As the Vice President of Operations, contributes to the strategic vision and helps the company become more profitable, produce high-quality energy solutions, and meet production goals. Supports Power52 Energy Solutions by ensuring departmental projects operate smoothly and are



on track for meeting company's goals, monitoring and analyzing performance for improving business processes.

Key Accomplishments: December 2019 – April 2020

Designed, developed and delivered Solar Installer Training Institute. To support sustainability of the solar training institute, launched Power52 Clean Energy Access and the designed an e-commerce platform for Renewable Energy Professional Training.

National Center for Construction Education and Research (NCCER) Master Trainer for OSHA, Solar; National Association of Certified Energy Professionals (NABCEP) Credential Professional to support Project Management training program for international training programming at H. Lavity Stoutt Community College in British Virgin Islands.

Served as Program Manager for Solar Development projects to support Power Purchase Agreements, Community Solar Project, and Energy Access (LMI – Low and Moderate Income) initiatives. Developed a Community Solar Subscribers program to assist LMI community to create energy access equity, Served program, proposal and project Manager for various Land Development /Construction for Solar Projects.

Environmental Engineer, Earthlite Management Strategies, State of MD 2013 – 2018
(GS-14 Equivalent, Environmental Sustainability Program Designer)

PROGRAM & PROJECT MANAGEMENT: Serve as consultant's consultant, support government contractors with defining clients' mission requirements, designed program solutions, and delivering on time and within budget. Employs communication, team building, and systems management skills to support success. Compliments program and project management services by offering training, education and awareness solutions in all sectors (Federal Procurement & Grant Management, Environmental Sustainability, and Information Technology/CYBER).

Key Accomplishments: August 2013 – Present

Indoor Air Quality Programming

Senior Environmental Engineer, working with remediation team to design clean up strategies for commercial, government and residential properties. Assisting facility managers with balancing heating, ventilation and air conditioning to support property ventilation to reduce IAQ impacts to human health protection. Conduct air monitoring testing for various types of mold, and perform investigation- remediation-prevention practices.

Energy/Environment Programming

Temporary assignment in support of Director Leigh Williams at Maryland Energy Administration. Aided with the promotion of affordable, secure, and safe energy. Designing program and policies to support sustainability, innovation, and financing. Specific duties involve the creation of program approach to address the energy/environmental nexus and related legislation within the government affairs division. Also responsible for calculations, reporting and presenting leadership with program accomplishments related to expenditure of the Strategic Energy Investment Fund (SEIF) that is sources mainly by the Regional Greenhouse Gas Initiative (RGGI) auctions.



Storm Water Assessment and Guidance Studies.

As Program Manager, established initiative to review existing storm water permits, assess actual requirements, and determine where No Exposure Exemptions and Notice of Terminations were applicable to Army Reserve facilities. Recommendations resulted in multi-year cost savings and reduced liability. Currently offer decision making support to home owners seeking to employ storm water management techniques to maintain property.

U.S. HUD Green Initiative Project

Serve as Project Manager, tracking progress and ensuring technical accuracy for deliverables on Utilities Consumption Data management project. Was responsible for integrative project management for the collection of utility consumption data from Green Initiative property meters (historic files and real-time consumption data stream), the from database design team collecting and analyzing electric, gas, water, temperature & humidity from properties across the nation. Continue to support client with capture management strategies for targets within the Energy Sector, seeking new customers for alternative and conservation support.

Local Government Green -to- Grey Instruction Outreach Program

Serve as Program Designer, creating program solution to educate, engage and encourage various stakeholders to consider and support the use of Green Infrastructure for storm water management in the town of Evansville, IN. Programs designed include: Green Infrastructure Manual for Engineers and Property Developers; Green Infrastructure Challenge Partnership between Property Development and Academia; Outreach Program Strategy for Local Government Decision Makers.

Public-Private Partnerships Energy & Small Business Utilization

Serve as Proposal Manager, creating technical infrastructure around concepts that support planning, programming and implementation. Overall support for Waste -to- Energy contractor included the development of a public-private partnership strategy that considers the community, small business utilization compliance, and economic development relationships.

Business Management Systems

Support Business Leaders with preparing for growth, by installing management systems to oversee operations, business development, capture management, and solution delivery. Offer strategic solutions with a emphasis on policies, procedures and people. Clients include government contractors and commercial businesses with vertical capabilities in environmental sustainability, energy, facility management, construction, cyber security, information technology, telecommunications, and products.

Director, Fort Meade BASE Business Initiative. Columbia, MD
(GS-15 Equivalent, Federal/Defense Contracting Advisor)

2011 - 2014

PROGRAM DESIGN/EXECUTION: Defense contracting advisor, assisting small businesses as they navigate the region and seek to support the Fort Meade mission. Document experience of the small business and report to various stakeholders, lend transparency to Fort Meade - the



epicenter of cyber security, and support all sector businesses with effective business practices as related to capabilities and customer needs.

PARTNERSHIP: Procurement advisor for small business leaders, seeking effective methods to support growth strategies. Introduced business management lifecycles to support program management systems that ensure mission goals are met; project management processes in support of efficient planning, and organizing; proposal management solutions for effective delivery of solutions. Supported all industry sectors: IT, Cyber Security

Community, Restoration Advisory Board (RAB). Fort Meade, MD 2013 - 2018
(Volunteer, Community Member)

PROGRAM SUPPORT: Provide input to environmental restoration issues to Fort Meade, in accordance with proposed cleanup levels consistent with planned land use as specified in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Serve as community member, representing the issues of Howard County.

Senior Environmental Engineer, HDR, Inc. Vienna, VA 2009 - 2011
(GS-14 Equivalent, Environmental Compliance Consultant)

(Held) Top Secret/ Sensitive Compartment Information Security (Poly) Clearance.

PROGRAM MANAGEMENT: Environmental, Health and Safety program expert responsible for developing compliance program solutions for various federal clients. Oversee technical design and execution; proposal and project management from resources projections to cost accounting; and business development effort meeting annual program goals. Documented compliance observations, evaluations, and recommendations based on The Environmental Assessment and Management (TEAM) Guide developed in cooperation with DOD and U.S. Army Construction Engineering Research Laboratory (USCERL).

Key Accomplishments: April 2009 - May 2011

Environmental, Safety and Health Management System (ESMS)

Designed, developed and implemented Environmental, Health and Safety (EHS) Plan, utilizing the “Plan, Do, Check, and Act principles as outlined in International Organization of Standards (ISO) 14001:2004 and Occupational Health and Safety Assessment Series (OHSAS) 18001. The designed tool created a systematic and structured approach aligning the customer’s EHS compliance and ESMS conformance requirements. Utilizing SharePoint as the platform for a customized web portal, the ESMS serves as the focal point for all program details related to EHS program management and continuous improvement.

Electronic Hazardous Material/Waste Management Plan (ePlan)

Utilized SharePoint platform to develop a management plan tailored to ensure Army compliance with requirements applicable policies, procedures, laws and regulations for States. The ePlans address federal and Army wide laws, regulations and practices pertaining to hazardous waste and hazardous material management. The Federal and state level regulatory ePlan has become one of the main resources for Area Environmental Protection Specialists (AEPS), and Unit Environmental Compliance Officers (UECO).



Spill Prevention Program Development

Conducted site assessments at various federal facilities (i.e., FEMA- MWEOC; and Fort Meade Tenant) to evaluate facility operations and determine specific 40 CFR Part 112 requirements. The Spill Prevention Program prepared agencies for response and prevention where there is a possibility of a major discharge. The Program included Spill Prevention, Control, and Countermeasure (SPCC) Plans; meetings coordination informing other proponent of their SPCC Plan related roles & responsibilities; and training curriculum to support annual SPCCP awareness requirements.

Environmental Performance Assessment System (EPAS) - Site Assessor

Serve as an EPAS site assessor performing comprehensive EPAS site visits for ongoing operations at various Department of Army clients. Assessments are based upon interviews, document review and site survey using federal, state, and local regulations. Assessment findings for all environmental and safety conditions are documented for the client, and reported back as a written report and a face-to-face out briefing. Assessments cover management of hazardous/solid waste, water, air, storage tank, natural/cultural resources, safety, and environmental management system programs.

Air Emission Inventory and Compliance Action Plan

Serve as site assessor, conducting comprehensive inventory of air pollutant emissions sources in operations in order to conduct a thorough evaluation of applicable state and federal regulations implementing the Clean Air Act Amendments of 1990. Provide client with a report identifying all applicable requirements associated with federal, state or local air quality laws rules and regulations, providing recommendations and an action plan that addresses key compliance issues related to survey of operations, records, emissions data.

Environmental Compliance Branch Chief, HQ Department of Army, Assistance Chief of Staff for Installation Management - Army Reserve, Arlington, VA 2005 - 2009
(GS-0028-13, Environmental Protection Specialist)

PLANNING: Environmental Compliance Branch Chief carrying out management authority by establishing environmental policy, priorities, and procedures. Planning efforts considers all management requirements, Army standards, Department of Defense metrics, and industry methodologies to ensure standardized (air, water, and land) compliance across the mission areas.

Key Accomplishment: September 2005 - September 2009

Environmental Performance Assessment System (EPAS) - Site Assessor

Established long term plan for conducting a Environmental Performance Assessment System (EPAS) for 11 Regional Commands across the United States. The EPAS requires environmental compliance surveying of approximately 1100 facilities. Planning required the development of process to ensure consistent view of all facilities over 5-year period. Identify qualified contract team that will conduct survey in accordance with Army policy; Obtain, and maintain information technology system to collect survey findings, track corrective actions, and articulate the trends related to regulatory compliance status of the Army Reserve's environmental program; Coordinated with Regional program managers to generate accurate EPAS finding, corrective action schedule, and funding requirement; and Develop national programs to address negative



EPAS findings: Electronic Hazardous Waste Management Plan creating a standard tool that is accessible to all hazardous waste handlers across the nation, Learning Management Portal to provide stakeholders with access to appropriate environmental management training. Web-based hazardous waste management tracking and submission system to enable managers to ensure compliance. Resulted in a trending tool to justify environmental funding requirements for the Army Reserve. Generate decision points to enhance the Environmental program by reducing liability in a cost efficient manner.

NEPA Related Projects:

Provided guidance on integration of environmental considerations into Installation planning and decision- making. Worked with Environmental Managers to avoid or minimize adverse environmental consequences for Military Construction and real estate transactions, such as property acquisitions and disposals.

Created plain language document templates to support NEPA analysis, documentation for proposed actions and alternatives considered.

Lead a Lean Six Sigma analysis on environmental support for Real Property Transactions, evaluating the advance coordination to carry out all required assessment, dialogue, decision-making, planning and documents preparation to ensure compliance and conformance.

Acting Environmental Division Director, HQ Department of Army, Installation Management Command - Army Reserve, Arlington, VA 2006 – 2007
(GS-0028-14, Environmental Protection Specialist)

PROGRAMMING: Acting Division Director managed multiple ongoing interdependent programs in accordance with environmental regulations, Department of Army policies, and other industry precedents. Decision making based on complete life cycle analysis to include Army Reserve mission priorities, funding limits, acquisition requirements, staffing coordination, and leadership directives.

Key Accomplishment: December 2006 - August 2007

Executed contract review process as established by the Army Reserves Contract Administration Support Office (CASO). The CASO review process assures that the Program managers identify requirements in a manner that provides for maximum competition and economically efficient product or service selection. Execution plan requires compliance with the Federal Acquisition Regulations (FAR), and comprehensive review of Regional level requirements. Issued headquarters policy and directive to include Compliance Cleanup funding requirements into annual Budget process. Directive required managers to utilize approved Army data system to generate costing for cleaning site contamination, and generating a prioritize Spending Plan based upon established clean up schedule.

Conducted technical review for every environmental project within the FY08 \$60M Spend Plan. Review included appropriate costing of environmental (planning, permitting, and programming) activities, program management staffing, and mission operational initiatives. Resulting in a closer look into how Regional managers were carrying out day to day decision making as related to environmental compliance and stewardship. Began the process of creating an enhanced justification for environmental requirements across the Regions.



Environmental Compliance Engineer, US Army Reserve Command (USARC),
Ft McPherson, GA 2000 - 2005
(Jones Technologies, Contractor Supporting USARC)

TECHNICAL EXPERT: Environmental Engineer applying design skills to address technically complex needs as related to the management of Hazardous Substances within Army Reserve training areas, facilities, and surrounding communities.

Key Accomplishment: January 2002 - January 2005

Adopted electronic hazardous waste management tool developed by the Army National Guard. The system allowed Regional managers to track hazardous waste disposal manifests, and submit required 1348 forms electronically to the Defense Reutilization and Marketing Service (DRMS).

Established a working group and developed Systems Requirements document to redesign application to suit the unique organizational needs of the Army Reserve.

Facilitated design and development of a complementary Training Course for managers across the Army Reserve and contracted support to provide necessary level of maintenance and support for hazardous waste management tool.

Coordinated with Army Reserve Information Technology officials to ensure conformance with security requirement during time of heightened systems risk, with the Army National Guard to generate a consistent system enhancements schedule and avoid duplication of Army spending, and with regional managers to maintain usefulness of tool.

Application resulting in 40% reduction of processing time as related preparation and transmission of hazardous waste documents. The tool resulted in better tracking of hazardous waste management that yielded reduced regulatory risk and liability. Also, enhanced relationship between the Army Guard and Reserve Environmental community that resulted in joint projects and Army increased cost savings.

Environmental Engineer, US Environmental Protection Agency, Region 4
Atlanta, GA 1998 -1999
(GS-0819-13, Environmental Engineer)

EXECUTION: Community Based Environmental Protection Coordinator carried out planning, coordination, and managed ongoing Community Based Environmental Protection (CBEP) Outreach initiative for citizens surrounding Superfund Site in Chattanooga, TN.

Key Accomplishment: May 1998 - August 1999

Worked with federal, state, and regional experts in determining multi-media related impacts to human health and ecosystem; and Developed Memorandum of Agreement committing involved parties to the program planning and implementation of Clean Air Act, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and CBEP initiative; Served as branch Environmental Justice (EJ) Coordinator responsible for developing program activities to assist with the integration of EJ into air related issues.



Environmental Engineer, US Environmental Protection Agency, Region 2
New York, NY
(GS-0819-12, Environmental Engineer)

1993 -1998

TECHNICAL EXPERT: Hazardous Waste Enforcement Officer and manager of compliance inspection program for facilities subject to Resource Conservation and Recovery Act (RCRA). Required to utilize outreach, compliance assistance, and enforcement to ensure facilities comply with requisite standards.

Key Accomplishment: May 1993 - May 1998

Following the Pollution Prevention Act of 1990 there was an increased emphasis on process evaluation, compliance assistance, and enforcement actions requiring companies to implement process solutions to reduce or eliminate environmental impacts. Called on by leadership to develop the framework for effective outreach and enforcement with Pollution Prevention as bases for process evaluation and change.

Inspected over 300 facilities under RCRA, evaluated non-compliance data, and issued appropriate notice of violation. Coordinated with Regional Counsel and recommended appropriate administrative enforcement actions. Monitored all related corrective action agreements.

Resulted in an Enforcement Program that focused beyond the end result and with the use of the Pollution Prevention Act and Environmental Justice Executive Order regulators took closer look at process activities and where environmental impacts impacted should be prevented.

Environmental Engineer, General Physics Corporation
Columbia, MD
(Consultant)

1991 -1993

TECHNICAL SUPPORT: Provided technical support to (DoD) clients subject to standards under Clean Water Act, RCRA, and CERCLA.

Key Accomplishments: April 1991 - May 1993

Member of field sampling team for ground/surface water monitoring for RCRA Subtitle D landfills, NPDES storm water permits, erosion and sediment control inspections, underground storage tank removal, and remediation projects; and Established site investigation plans, and assisted with the development of NPDES Storm water General Permit and Compliance Programs for Aberdeen Proving Ground.

