

## **KRISTY L. BISHOP, P.E.**

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### EDUCATION

University of Maine - B.S. in Chemical Engineering, magna cum laude, 2004

University of Southern Maine – Master of Business Administration, magna cum laude, 2008

### PROFESSIONAL REGISTRATION

Professional Engineer – Maine

### EMPLOYMENT HISTORY

2017 to present – Sevee & Maher Engineers, Inc., Senior Environmental Engineer

2004 to 2017 – Woodard & Curran, Associate, Project Manager, Consultant

### EXPERIENCE

#### Environmental Regulatory Compliance

Work with clients in a variety of industries including: college and university, hospital, energy generation, food and beverage, surface coating, landfills, and pulp and paper to achieve compliance with state and federal environmental regulations.

- State and Federal Environmental Regulations - Expertise in air quality regulations (NSPS, NESHAP, Acid Rain Program, RMP, RGGI, Title V, NSR) and experience in Oil SPCC, Universal Waste, Hazardous Waste, Lead Paint, Asbestos, EPCRA, Haz Mat, and Integrated Contingency Planning regulations. Completed compliance/permitting projects in the following states: ME, NH, VT, MA, NY, VA, GA, NC, CA, IN, and IA.
  - Multi-media Environmental Compliance Auditing - Conducted over 20 multi-media environmental regulatory compliance audits at college and universities and hospitals within the United States. Audit leader in air quality, oil storage, lead and asbestos, universal waste and EPCRA.
  - Air Quality Permitting – Prepared major and minor air quality construction permit and operating permit (State Operating and Title V) applications for a variety of projects/sources including new construction and modifications to industrial boilers, engines/generators, combustion turbines, pulp and paper processes, landfills, incinerators, and general process sources with the potential to emit criteria and hazardous air pollutants.
  - Environmental Management – Acted as environmental manager for a 150 MW cogeneration facility, a large hospital, and a small surface coating facility all located in Maine. Developed annual compliance schedules, prepared reports and notifications to regulatory agencies, and managed employees, subcontractors and vendors.
  - Continuous Emissions Monitoring Systems (CEMS) – Expertise in the selection/specification of CEMS
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required by Part 60 and Part 75. Obtained and reviewed system quotes from vendors, managed initial certification process and testing, prepared QA/QC Plans and Monitoring Plans, manage ongoing compliance requirements, prepare quarterly reports for submittal to DEP and EPA (i.e., EDR), and assisted with troubleshooting downtime/system performance issues.

- Ambient Air Monitoring Plans – prepared ambient air monitoring and sampling programs for remediation activities. Including the selection of sample locations, duration of sampling (real time or composite), frequency, sampling and analytical protocols/procedures, identification of action levels, corrective measures and notifications.
- Electronic Tools - Developed electronic tools to track and analyze fuel and material consumption to meet environmental compliance and safety requirements and streamline reporting processes.

### Sustainability and Energy Efficiency

Worked with college and university and municipal clients to develop strategies, systems and action plans to meet energy and sustainability goals.

- GHG Inventories and Climate Action Planning – Worked with multiple colleges and universities to prepare Climate Action Plans and GHG Inventory Reports as required signatories to Second Nature's Climate Commitment (formerly the ACUPCC). Plans identify current sources of greenhouse gas emissions, project business-as-usual emissions into the future based on campus master and strategic planning, and establish short- and long-term reduction goals as well as strategies to meet goals. Strategies include both technical and behavioral (education, communication) components.
- Renewable Energy Credit (REC)/ Carbon Offset Feasibility Studies – Analyzed a variety of existing and potential renewable energy projects (biomass energy generation, landfill methane and wind) to determine potential ability to generate RECs or offsets under various programs including RGGI, MA DOER, TerraPass, and Sterling Planet.

### TECHNICAL SKILLS

- Process and combustion engineering
- State and Federal Environmental Regulations
- WRI Greenhouse Gas Protocol Methodologies
- Data analysis and forecasting
- CEMS/Data Acquisition Systems
- Project Management Accounting
- Excellent writing and communication skills
- MS Office Suite