

JILL SEIFERT VERNES, TURP

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GOAL

I am a Senior Environmental Scientist and Project Manager, seeking new opportunities to integrate environmental stewardship, sustainability goals, and EHS regulatory compliance with practical, facility-level implementation. I am pursuing collaborations with professional colleagues and industrial clients to facilitate EHS compliance, streamline internal compliance processes, and develop EHS compliance roadmaps.

Professional Skills Summary

Environmental scientist, project manager, and team manager with 25+ years of experience providing environmental consulting services to private industrial and municipal clients. I assist clients with multi-media environmental compliance, regulatory reporting, EHS training, and EHS program development.

- *Experienced environmental auditor*, familiar with federal and Massachusetts state regulations, including: RCRA, EPCRA, TRI, DOT, OSHA, SPCC, MassDEP TURA, TUR Planning, MassDEP HW, MassDEP Air, MassDEP MCP, and MWRA.
- *Effective Project Manager*, balancing client products with scope, schedule, and budget to maximize both client outcomes and project profitability.
- *Teacher, Trainer, and Mentor*, seeking to meet my colleagues where they are and support them in their personal and professional development.
- *Creative Problem Solver*, operating at the intersection of manufacturing, research, and development with environmental regulations. My objective is to find solutions that help facilities both comply with environmental regulations and improve their processes.
- *Cross-Disciplinary Collaborator*, proactively working with scientists and engineers in related fields to increase understanding of the interconnectedness and impacts of EHS regulations and impacts to improve client advice, programs, and understanding.

Certifications and Registrations

- MassDEP Toxics Use Reduction Planner (TURP)
- Member of the National Ground Water Association (NGWA)
- Health and Safety Training per OSHA 29 CFR 1910.120 (HAZWOPER 40-Hr)
- ISO 14001 Lead Auditor Certification

Presentations & Seminars

- *Guest Presenter* for Toxics Use Reduction Institute (TURI) trainings and seminars in April 2021, October 2021, and October 2022, presenting TUR Planning strategies and methodologies to other TUR Planners, with a focus on data quality and validation best practices. In April 2023, presented at TURI conference on integrating TUR Planning with corporate sustainability goals. [TURI.org/Spring2023/Sustainability TUR Planning](https://www.turi.org/Spring2023/Sustainability_TUR_Planning)

- *Guest Presenter* to Environmental Business Council of New England, Inc. in December 2022, presenting PFAS management under the EPCRA and TURA regulatory, with a focus on source reduction, pollution prevention, and risk management. EBCne.org/pfas-management-is-it-risky-business

Professional Experience

Capaccio Environmental Engineering, Inc., Marlborough, Massachusetts

2009-July 2023

Senior Project Manager / Environmental Compliance Team Manager, responsible for supervising multiple entry-level direct reports and managing EHS regulatory compliance projects for private manufacturing and industrial clients throughout Massachusetts, including semiconductor manufacturing, biotechnology research and development, pharmaceutical manufacturing, scientific equipment manufacturing, metal coating, and metal machining.

- *Team Manager*, supervising multiple entry-level direct reports.
- *Project Manager*, executing projects for several clients, often managing more than 10 different projects simultaneously, developing new systems and processes for increasing productivity and profitability.
- *Data Analyst*, using Excel to compile complex client data sets, construct calculations for emissions and mass balance, interpret calculated values, debug Excel formulas, and compare calculated values to permit limits, regulatory requirements, and client metrics.
- *EPCRA Season Coordinator*, managing and reviewing more than 20 simultaneous time-sensitive regulatory reporting projects for different clients under the EPA's Emergency Planning and Community Right to Know Act (EPCRA) and MassDEP's Toxics Use Reduction Act (TURA) regulations between January and July each year.
- *Toxics Use Reduction Planner* since 2014, assisting more than 10 manufacturing and industrial clients through the biennial process of evaluating chemical usage patterns relative to facility operations, operating costs, and product manufacturing.
- *Environmental Auditor*, conducting regulatory applicability analysis and environmental auditing for manufacturing, semiconductor, biotechnology, and research facilities. Reviewing existing environmental permits and applicable local, state, and federal regulations related to air quality, toxic substances, hazardous waste management, pollution prevention, solid waste management, water and wastewater, and storage tanks. Providing regulatory insights, advice, and targeted action items to clients.
- Assisting clients with ISO 14001 internal audits, evaluating a facility's Environmental Management System (EMS) for conformance to the ISO 14001 standard. Preparing for external ISO registration audits.

Antea Group USA, Framingham, Massachusetts

2000-2009

Project Hydrogeologist, responsible for coordinating and implementing environmental site assessments, subsurface investigations, groundwater, and air modeling in support of environmental risk assessments, and environmental audits projects for commercial and industrial properties in MA, CT, NH, RI, NJ, MI, OH, AR, CO, and TX, including:

- Conducted assessment and remediation of properties with subsurface contamination of soil and bedrock to bring sites to regulatory closure under federal and state programs in NJ, CT, and MA.

- Conducted and managed Environmental Permits Gap Analysis for a Massachusetts college.
- Managed long-term groundwater treatment system in area of sensitive environmental receptors in CT.

Tetra Tech, Inc., Framingham, Massachusetts

1996-2000

Hydrogeologist, responsible for conducting Massachusetts Contingency Plan (MCP) preliminary investigations and comprehensive response actions and ASTM Level I and Level II site assessments, including:

- Hydrogeologist for the coordination and preparation of Massachusetts Contingency Plan (MCP) investigations and submittals at more than 15 facilities for Logan International Airport and Massachusetts Bay Transportation Authority (MBTA), Boston, Massachusetts.
- Monthly storm water sampling at Logan International Airport, Boston, Massachusetts in compliance with the National Pollutant Discharge Elimination System (NPDES) discharge permit.
- Hydrogeologic model for New England Patriots football stadium in Foxborough, Massachusetts, using MODFLOW software. Compiled geologic and hydrologic data gathered during previous phases of pre-construction investigations. Incorporated model results in the preparation of the engineering design report submitted to MassDEP.
- Groundwater contaminant fate and transport modeling using AT123D software for a Massachusetts facility as part of risk characterization to bring the site to regulatory closure.

Dartmouth College, Hanover, New Hampshire

1994-1996

Teaching Assistant for undergraduate level earth science courses, including preparing and supervising weekly lab. *Research Assistant* for USDA-funded examination of agricultural practices in an arid environment.

Education

M.S., Earth Sciences, Dartmouth College

Thesis Title: *Linkage of Two Groundwater Flow Models, San Joaquin Valley, California*

B.A., Philosophy, Cum Laude, Dartmouth College

Hydrogeology/Geology Coursework, University of Illinois Chicago

Community Engagement and Leadership

Girl Scouts, Troop Leader for 10-14 scouts since 2016.

AREA (Ashland Residents for Equity and Action), Treasurer since March 2023, active member since 2021. AREA is a group of People of Color and their allies in Ashland working together to ensure that POC voices are represented in local civic organizations, government, and the schools.

Home2Homes, active member since 2015. Based in Ashland, we serve homeless and low-income individuals and families in the Framingham area, providing on-demand emergency material assistance with care and dignity.

Town of Ashland Sustainability Committee, member since January 2023.

Computer Skills

Excel, Excel Macros, Word, Outlook, PowerPoint, Access, AT123D, MODFLOW, EPA SCREEN3, FORTRAN

References Available Upon Request