



Bruce Cassem

EHS Corporate Trainer



Bruce Cassem has more than 12 years of experience designing Environmental Health and Safety training programs. He has developed and implemented training curriculum for initial HAZWOPER and HAZWOPER Refresher, OHA Lead Inspector and Risk Assessor training, field safety, confined space, lockout/tagout and other OSHA-required programs. Bruce has written and reviewed Safe Work Plans and HASPs for multiple clients over a 35-year career in the environmental field. Relevant work experience includes lead surveys, construction oversight and project management, performing Phase I and II site investigations, and environmental remediation.

Bruce enjoys all aspects of health and safety training and uses a variety of delivery methods to achieve course learning objectives. With hands-on experience working with a variety of hazardous sites and materials, he can relate personal experiences in the field to the course topics.

EXPERIENCE

35 Years

EDUCATION

BS Geology, Eastern Washington University

ACCREDITATION

Professional Geologist, WY #2827

State of Oregon (Oregon Health Authority), Lead Based Paint Risk Assessor #2527-Indv-R

AHERA Asbestos Inspector #IR-23-4017B

Field Safety and 8-hour HAZWOPER Trainer.

24-hour MSHA Surface Miner, Mine Safety – Annual

30-hour OSHA 1910/1926

SPECIALIZED TRAINING

Fairchild Air Force Base (1977-1981), Spokane, Washington.

Emergency Room Trauma Medic, E-4, Sergeant

EXPERIENCE

2016-2019 – Oregon Military Department (OMD) Armory Lead Cleanup Program, 28 sites. Field Supervisor and Lead Inspector for OMD Armories with a focus on controlling lead migration and reducing future lead exposure within the buildings. Performed hazardous materials assessments of the indoor firing ranges and all armory buildings, including lead dust and soil surveys with detailed sampling for lead and asbestos.

2010-2019 – EHS Safety Trainer, AECOM. Designed and delivered site-specific, 8-hour HAZWOPER Refresher and field safety training programs for AECOM personnel. Each training was tailored to the hazards identified at the worksite. Provided on-site safety meetings and accident prevention training to hundreds of AECOM staff and subcontractors.

2012-2016 – EHS Manager. Served as EHS Manager for multiple road construction and mining projects in Alaska, Western United States, and Chile. Supervised multiple contractors and developed and implemented field safety and accident prevention training.

2010–2012 – EHS Manager. Responsible for development and delivery of a variety of safety training including Lock Out/Tag Out, Confined Space, Hand Safety, Hearing Conservation, Blood Borne Pathogens, Lead Awareness and Ladder Safety. Established an Integrated Contingency Plan and HazCom per Oregon State guidelines and trained facility Emergency Response Team.

RELEVANT PROJECTS

BP Terminal 22, Portland, Oregon. Construction Supervisor for a multiphase, multiyear seawall removal, stabilization, and replacement project that included the removal of contaminated soils. The project involved multiple contractors and client interaction. Heavy focus was placed on worker and site safety training.

Project Manager, Phase I ESAs, Portland Streetcar Loop, Proposed Right of Way and Easements, TriMet On-Call Services Contract, Portland, Oregon. Managed four separate Phase I ESAs of commercial and industrial properties as part of the streetcar extension into East Portland. One of the sites was historically located within the boundary of Portland

General Electric (PGE) Station L, which was an electrical substation from 1910 to 1975, where remedial action was completed due to PCB contamination in soils.

Senior Project Geologist, Verizon Wireless, Midwest and West Coast, Spokane, Washington. Evaluated over 1,000 potential cell tower sites across the Midwest, Northwest, and West coast according to ASTM 1527-05 Phase I ESA protocol. Completed site visits, client interviews, data research, and report preparation for each assigned site. Coordinated Phase II ESAs on sites where recognized environmental concerns were identified.

Senior Project Geologist, Avista Benewah, Sagle, Lolo, and Boulder Substations, Spokane, Washington. Completed both geological and geotechnical engineering soils studies for the Benewah, Sagle, Lolo, and Boulder substation projects. Field work consisted of in-field project management, site safety, and site recon, completing detailed field logs, sample collection, soil identification.

Project Geologist, GORCO Refinery Site Shell International, Agat, Guam, USA. Responsible for environmental evaluation of the Shell Oil GORCO refinery site using a combination of Cone Penetrometer system (CPT) and Geoprobe system to complete a soil and groundwater sampling profile of the subsurface. CPT logs were reviewed to evaluate weak lithological zones to optimize future subsurface characterization.

Project Geologist, Coal Pile Tailings Stability, Beckley, West Virginia. Performed a geotechnical evaluation of a large coal tailings pile using a Cone Penetrometer System and standard geotechnical rotary wash drilling. CPT logs were compared to standard geotechnical boring logs to evaluate internal stability and develop recommendations for improving overall stability of the tailing pile.

Senior Scientist, Fairchild Air Force Base, Cone Penetrometer Demonstration, Fairchild Air Force Base, Washington. Performed an evaluation and demonstration for federal and state agencies of the CPT capabilities within a contaminated environment. Demonstration included real-time and near real-time soil and water sampling of selected SMU sites and the Fairchild Base disposal area.