

ZACHARY GUTHMILLER

Education and Professional Development

- Occupational Safety and Health Administration 40-Hour Hazardous Waste Operations and Emergency Response Training
- Bay Area Training Corporation Safety Program for Refineries
- Cardiopulmonary Resuscitation and First Aid Certification
- Loss Prevention System Trained
- TWIC Carded and Approved TWIC Escort Trained



Summary of Professional Experience

Mr. Guthmiller is an environmental technician with 15 years of experience in environmental site investigation and operation. His expertise includes:

- Soil and ground water sample collection
- Operation of vacuum excavation equipment
- Operation and maintenance of remedial equipment
- Soil vapor sampling
- Project oversight

Representative Experience

- Mr. Guthmiller has been responsible for installation of over 90 vapor extraction wells using a vacuum excavator.
- Mr. Guthmiller provided ground water monitoring including sample collection and field analysis of bioremediation parameters (including dissolved oxygen and ferrous iron) to document oxygen release compound-enhanced biodegradation at an operating timber products distribution facility.
- Mr. Guthmiller provided operation and maintenance of an air/ozone sparge remediation system including monthly and quarterly ground water sampling for analysis of chlorinated volatile organic compounds.
- Mr. Guthmiller was responsible for construction of a ground water remediation system incorporating in-well submersible pumps and aboveground eductor pumps at an operating marketing terminal.

- Mr. Guthmiller was responsible for collection of soil samples using hand auger techniques at numerous locations including a former ordinance facility bulk terminal and a levee.
- Mr. Guthmiller has provided routine ground water sampling using low-flow purge techniques at numerous locations in northern California.
- Mr. Guthmiller has provided ground water sampling using BARCAD nitrogen purge techniques at operating fueling terminals.
- Mr. Guthmiller provided operations and maintenance of numerous types of LPH recovery systems in deep well applications.
- Mr. Guthmiller provided operations and maintenance of a 97 well vapor extraction system, utilizing multiple thermal and catalytic oxidizers, and over 150 air sparge wells.