

Risk Management

Managing environmental and safety risks is necessary to business viability, but it can be complex and challenging. Zephyr's approach is to apply only the level of scrutiny that a risk management problem warrants. That reputation resulted in active participation by Zephyr staff in the development of the Texas Risk Reduction Program (TRRP). The benefit to our clients is clear: the level of effort, time, and associated project costs are minimized to the extent possible.



Zephyr has provided risk management advice and prepared risk assessments for a broad range of clients, including law firms, electric utilities, natural gas pipeline facilities, pesticide formulation facilities, and chemical manufacturing facilities.

Specific risk management services performed by Zephyr include:

- Supporting site characterization activities by using the precepts of risk-based correction action (RBCA)
- Use of probabilistic techniques to support risk characterization, i.e., the use of probability distributions versus point values as inputs in risk calculations
- Preparing risk-based RCRA closure plans
- Preparing risk management plans as required by Section 112(r) of the Clean Air Act
- Supporting risk-based decision making via the use of risk analysis software tools
- Supporting environmental aspects and impacts analyses for environmental management systems
- Identifying safety hazards and controls/programs for safety management systems
- Identifying and ranking process risks using such tools as Failure Modes and Effects Analysis (FMEA) and Hazard and Operability Studies (HAZOP)
- Performing comprehensive compliance reviews/audits across all environmental and safety programs
- Determining applicability of Department of Homeland Security (DHS) Chemical Facility Anti-Terrorism Standards (CFATS)
- Identifying chemicals of interest to DHS and facilitating security vulnerability assessments
- Preparing Chemical Security Assessment Tool (CSAT) Top-Screen Survey Applications

Assisting clients worldwide with their EHS consulting, training, and data systems needs.

