



Toxicology, a science that addresses the adverse effects of chemicals on living organisms and ecosystems, forms the foundation of environmental risk assessment. By measuring chemical exposure and estimating effects, appropriate remedies are developed and excessive cleanup costs are avoided. Whether assessing an accidental spill, cleaning up legacy contamination, or developing a new product, the mission of a toxicologist is to protect human health and the environment.



# Avoid excessive cleanup costs through risk-based remedies.

SynTerra uses toxicology to ask complex questions and provide answers that help clients achieve their business objectives while economically managing environmental risks. Our experienced scientists remain current in ecological and human health risk assessment procedures. We routinely apply toxicology and risk assessment tools to navigate state and federal regulatory programs, including CERCLA, RCRA, Clean Water and Air Acts, and Natural Resource Damage Assessment.

## SynTerra service and application areas

- Risk assessment and management under CERCLA and RCRA
- Storm water and wastewater permitting
- Noxious algae management
- Coal combustion residuals

## SynTerra capabilities for toxicology and risk assessment

- Environmental chemistry
- Environmental statistics
- Ecology
- Threatened and endangered species
- Exposure and effects models
- Risk-based corrective action plans
- Site-specific cleanup goals
- Risk management strategies
- Litigation support

