



Environmental Knowledge and Assessment Tool

EKAT is a web-based tool used to identify, research, and evaluate environmental and safety-related issues for products and systems. EKAT's flexible design allows for adaptation to address user specific requirements as well as integration into existing software systems. EKAT is regularly updated, and another release is scheduled for October 2009.

EKAT Vision

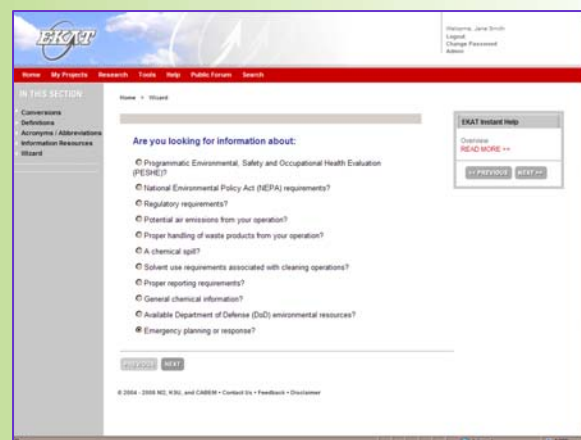
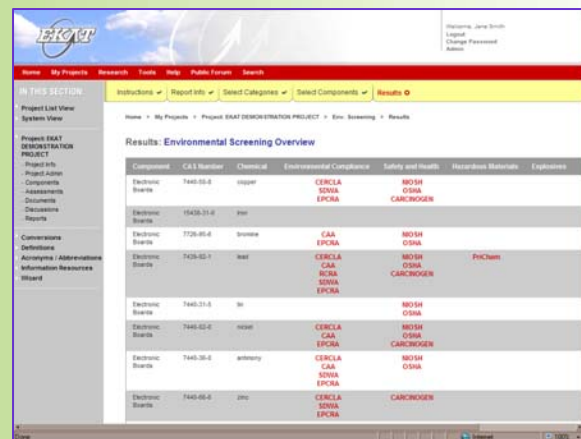
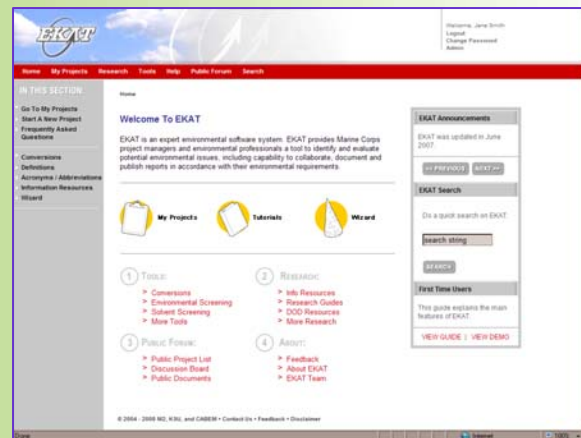
The goal is to continue to develop and maintain EKAT to provide expert environmental management and regulatory compliance guidance. We are actively expanding EKAT for use by other federal agencies, local governments, business, and academia in addition to the military.

Product Background

EKAT is currently under development for the Department of Defense (DoD), and it is being used for environmental assessment work at Kansas State University's Center for Hazardous Substance Research to assist with identification and evaluation of environmental issues associated with emerging non-lethal weapon technologies. The development team is pursuing commercialization of EKAT for other markets and is actively securing partners to assist with development, implementation and industry awareness programs.

An Environmental Specialist's Resource

EKAT was designed for Department of Defense environmental professionals, combat developers, material acquisition specialists, and base operations environmental specialists. Civilians and military alike can use EKAT to screen for environmental issues. Educate your employees and customers about environmental regulations. Easily find valuable information about remediation of environmental contamination. Understand hazardous waste handling requirements. EKAT is an easy to use, intuitive software package that offers assistance to people with little or no environmental background, as well as environmental professionals.



EKAT is a user friendly, web-base software program complete with a tutorial and presentations designed to get you up and running quickly. Developed, reviewed and verified by a team of environmental experts; EKAT is a well planned project management tool.

Key Modules and Capabilities

- Environmental screening:** Screen chemicals or materials for potential environmental and safety and health issues by comparing to regulatory requirements and other pertinent lists.
- NEPA Decision Tree:** Use the National Environmental Policy Act (NEPA) module to meet federal requirements that require consideration of environmental and other related issues.
- Solvent screening:** Evaluate solvent chemicals for state air and hazardous waste compliance while highlighting specific Clean Air Act control technology (7 key states highlighted).
- EmisCalc:** Estimate actual emissions or calculate potential to emit for processes included in the EPA Factor Information Retrieval (FIRE) database. Supports air permitting requirements.
- Modified TRACI:** Evaluate the environmental impact of releases to air and/or water over the lifecycle of a product using a modified version of the EPA Tool for the Reduction and Assessment of Chemical and Other Environmental Impacts (TRACI).
- TECCA:** Use Tool for Estimating Chemical Concentrations in Indoor Air (TECCA) to estimate the average concentration in air when a liquid chemical is released or spilled.
- ESOH Tool:** Use the Environmental Safety and Occupational Health (ESOH) compliance tool to help analyze potential hazards and issues relating to environmental safety and occupational health.
- PESHE:** Use the Programmatic, Environmental Safety and Occupational Health Evaluation (PESHE) module to support DODI 5000.2.
- Report Generator:** Generate reports automatically when you have completed assessments and analysis within EKAT.
- Information Resources:** Read and educate your organization on over 80 environmental and safety and health topics, including answers to frequently asked questions.
- Research tools:** Easy access to particularly useful tools and databases on Web sites, as well as guidance documents and tools developed for EKAT.
- Content Manager:** Store, manage and search for relevant documents and topics in EKAT and on the Web, with the powerful custom search engine.
- Project Manager:** Create, store and manage projects within EKAT and allow multiple users to collaborate on their environmental projects.

The EKAT Development Team

M2 Technologies, Inc. (M2): M2 manages EKAT and provides application development and user support for the EKAT application. Since the mid-1990s, M2 has provided novel concept application development and program management throughout government and industry, including concept development support. M2 is at the forefront of conceptual development and exploration of technologies and techniques to provide non-lethal and urban operations capabilities to the military, and law enforcement agencies.

Kansas State University (KSU): KSU provides subject matter expertise, application development and content to the EKAT application. KSU is a comprehensive, research, land-grant institution first serving students and the people of Kansas, and also the nation and the world. Since its founding in 1863, KSU has evolved into a modern institution of higher education, committed to quality programs, and responsive to a rapidly changing world and the aspirations of an increasingly diverse society. KSU is the headquarters for the National Environmental Evaluation and Remediation (NEER) Consortium.

CABEM Technologies, Inc. (CABEM): CABEM provides the software development and application development expertise to the team. CABEM designs, builds, provides, and integrates IT solutions tailored to the needs of each customer with specialization in workflow automation, real-time enterprise, and custom software systems. Initially founded to help small- to medium-size businesses, today CABEM is providing solutions to progressive companies of all sizes, academic institutions, and the military.

Questions? Contact us at ekat@ksu.edu

Work with EKAT! In addition to current features; development and/or considerations are underway for a Systems Assessment Module, GIS Module, and a First Responder Module. We may also be able to tailor EKAT for your specific needs. Contact us for more information.

Contact the EKAT Development Team at: info@ekat-tool.com

**M2 Technologies, Inc., Kansas State University,
and CABEM Technologies, Inc.**