

## **Health and Safety Evaluations of Field Environmental Technologies**

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The health and safety documentation accompanying new environmental technologies is often sparse. The development of such documents should help better protect workers, assist regulators to make deployment decisions, provide safety information and training to workers who use the technologies and allow the technology to be marketed in European Union countries. We have surveyed a surfactant-cosolvent technology and a thermal desorption technology at McClellan Air Force Base, as they were being tested for efficacy, to develop and fine tune methods for the production of useful safety documents. The methods are modeled after criteria developed in a National Workshop on the Inclusion of Health and Safety in Environmental Technologies held in Miami, FL in October of 1998. We have created a set of documents meant to ensure safe operation of technologies tested at McClellan. We will discuss the nature, form and projected utility of these documents, emphasizing the fundamental improvement to remediation worker and community safety that they offer. A modifiable output capability allows various constituencies to acquire concise documents, thus assisting regulators, users and purchasers to make expeditious decisions on the suitability of a technology.