

### **RISK ASSESSMENTS SERVICES**

Regulatory agencies responsible for the protection of human health and the environment have come to the practical realization that not all impacts to the environment can be readily mitigated using available technology. They also realize that not all impacts can be cleaned up to non-detectable levels, or background levels, as has previously been required.

Risk-based guidelines for environmental cleanup are based on the premise that certain statistically derived levels of specific contaminants may remain in place and not represent a serious health hazard. These guidelines are divided into different categories or standards, depending on the location of the impacted area. Each category requires the application of stringent formulas for calculating whether a particular standard is met. Computerized models of site characteristics, contaminant levels, groundwater data, and the on-going fluctuations in all of these, assist greatly in the process of achieving an appropriate risk-based standard, and thereby obtaining site closure. In more and more cases, computerized models are actually required by the regulating agency.

Using sophisticated computer technology, Green Star performs data collection functions, compiles and interprets the data, and renders a statistically accurate conclusion in a format that is readily acceptable to state and other regulatory agencies. This process provides a more cost effective approach to site evaluation, while maintaining an emphasis on protecting human health and the environment.

