

## **Environmental Risk Assessment for Soil and Groundwater Contamination by Mineral Oils**

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Regarding for the environmental problems due to soil and groundwater contamination by mineral oils, we have developed our original risk assessment system based on screening and site-specific type exposure analysis. In making the system, we have studied a lot of contents, such as contamination survey methods, oil contamination parameters, soil and groundwater parameters, and transport of contaminants. The methodologies of risk assessment system and the applications to contaminated sites are described in this paper to present the capability of site assessment for oil spill fields. In addition the strategy of risk management is also discussed to realize the cost effective clean-up process of soil contamination.