DOE Remediation End State Case Studies

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Case study examples will be presented examining approaches and tools for selection of protective remediation end states for contaminants in the vadose zone. Recent efforts for a soil vapor extraction system at the US Department of Energy Hanford site will be used to demonstrate evaluating a remediation end state by merging targeted performance measurement data with assessment of how persistent contaminants in the vadose zone impact groundwater. Hanford site data will also be used to discuss how approaches developed for evaluating Monitored Natural Attenuation remedies can be extended to assessments of inorganic compounds in the vadose zone and determining end states protective of groundwater.