



**Missouri  
Department of  
Natural Resources**

# Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks

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# MRBCA Basics

- Pertains to investigation, assessment and cleanup of releases from petroleum storage tanks
- Provides method to assess risks contamination poses to human health and environment
- Published February 2004
- Revised March 2005

# MRBCA Basics

- Intended to explain how much contamination can be left safely in place rather than how much can be removed (new paradigm)
- Three Tiers:
  - T1 standards based on defaults
  - T2 & T3 standards based on site-specific information

# Why MRBCA?

- No process to close sites that did not meet cleanup standards, but did not pose excessive risk (particularly groundwater)
- With MRBCA, contaminant concentrations considered in context of exposure pathways and soil and groundwater properties, allowing for assessment of risk

# Why MRBCA?

- Allows focus on risk and contamination of true concern
- Generally (no guarantee) saving time and money

# Where We're At

- Changed to soil type dependent Tier 1 target levels in March 2005
- Currently revising entire document, anticipate completion ~ March 2007
  - stakeholder effort
- Changes based on lessons learned via use and to color in gray areas
- Target levels will change to be consistent with departmental MRBCA guidance

# Where We're Going

- Develop rules after revision complete
- Process will continue to evolve as we learn more
- Revisit guidance on 3 to 5 year basis
- Continue to develop strong Long Term Stewardship process

